

**BOARD MEETING AGENDA
SPECIAL MEETING OF THE BOARD OF DIRECTORS OF
CITRUS HEIGHTS WATER DISTRICT (CHWD)
November 18, 2024 beginning at 6:00 PM**

**DISTRICT ADMINISTRATIVE OFFICE
6230 SYLVAN ROAD, CITRUS HEIGHTS, CA**

**PHONE CALL IN: (253) 205-0468
PHONE MEETING ID: 810 6578 8583**

COMPUTER AUDIO/LIVE MEETING PRESENTATIONS: <https://us06web.zoom.us/j/81065788583>



In compliance with the Americans with Disabilities Act, if you have a disability and need a disability-related modification or accommodation to participate in this meeting, please contact the General Manager at (916) 725-6873. Requests must be made as early as possible, and at least one full business day before the start of the meeting.

Members of the public may attend the meeting in person at the District headquarters or remotely through the phone number and link above.

Materials related to an agenda item for an open session of a regular meeting of the Citrus Heights Water District are posted on the Citrus Heights Water District website at www.chwd.org.

CALL TO ORDER:

Upon request, agenda items may be moved to accommodate those in attendance wishing to address that item. Please inform the Chief Board Clerk or Deputy Board Clerk.

ROLL CALL OF DIRECTORS:

PLEDGE OF ALLEGIANCE:

VISITORS:

PUBLIC COMMENT:

The Public shall have the opportunity to directly address the Board on any item of interest to the public before or during the Board's consideration of that item pursuant to Government Code Section 54954.3. Public comment on items of interest within the jurisdiction of the Board is welcome. The Presiding Officer will limit comments to three (3) minutes per speaker.

(A) Action Item

(D) Discussion Item

(I) Information Item

CONSENT CALENDAR: (I/A)

All items under the Consent Calendar are considered to be routine and will be approved by one motion. There will be no separate discussion of these items unless a member of the Board, Audience, or Staff request a specific item be removed for separate discussion/action before the motion to approve the Consent Calendar.

CC-1a. Minutes of the Special Meeting – October 22, 2024 (A)

CC-1b. Minutes of the Regular Meeting – October 22, 2024 (A)

CC-1c. Minutes of the Special Meeting – November 7, 2024 (A)

Recommendation:

Approve the minutes of the October 22, 2024 Special and Regular Meetings,
and the minutes of the November 7, 2024 Special Meeting.

- CC-2. Revenue Analysis Report for October 2024 (I)
- CC-3. Assessor/Collector's Roll Adjustment for October 2024 (I)
- CC-4. Treasurer's Report for October 2024 (I)
- CC-5. Treasurer's Report of Fund Balances for October 2024 (I)
- CC-6. Operating Budget Analysis for October 2024 (I)
- CC-7. Capital Projects Summary for October 2024 (I)
- CC-8. Warrants for October 2024 (I)
- CC-9. Purchase Card Distributions for October 2024 (I)
- CC-10. Employee Recognitions (I)
- CC-11. Long-Range Agenda (I)
- CC-12. Engineering Department Report (I)
- CC-13. Operations Department Report (I)
- CC-14. 2024 Water Supply (I)
- CC-15. Water Supply Reliability (I)
- CC-16. Water Efficiency and Safety Program Update (I)
- CC-17. Resolution 11-2024 Commending Laura Mason Smith for Facilitation Services to the Citrus Heights Water District (A)

Recommendation:

Adopt Resolution No. 11-2024 Commending Laura Mason-Smith for
facilitation services to the Citrus Heights Water District.

PRESENTATIONS:

None.

PUBLIC HEARINGS:

None.

STUDY SESSION:

None.

BUSINESS:

- B-1. Discussion and Possible Action to Approve an Agreement with Rawles Engineering, Inc. for the Minnesota Drive Water Main Project (A)

Recommendation:

Accept the bid of Rawles Engineering, Inc. in the amount of \$427,833.00 and establish a contingency fund in the amount of \$42,783.30 (10%), for a total amount of \$470,616.30. Authorize the General Manager to execute an agreement with Rawles Engineering, Inc.

MANAGEMENT SERVICES REPORTS (I):

None.

CONSULTANTS' AND LEGAL COUNSEL'S REPORTS (I):

None.

DIRECTOR'S AND REPRESENTATIVE'S REPORTS (I):

- D-1. Regional Water Authority (Sheehan/Straus).
- D-2. Sacramento Groundwater Authority (Sheehan).
- D-3. San Juan Water District (All).
- D-4. Association of California Water Agencies (Riehle/Wheaton).
- D-5. ACWA Joint Powers Insurance Authority (Wheaton/Moore).
- D-6. City of Citrus Heights (Pieri).
- D-7. Chamber of Commerce Update (Gordon).
- D-8. RWA Legislative and Regulatory Affairs Update (Gordon).
- D-9. Customer Advisory Committee (Riehle/Gordon).
- D-10. Other Reports.

CLOSED SESSION:**CL-1. CONFERENCE WITH REAL PROPERTY NEGOTIATORS**

- a. Pursuant to Section 54956.8:
 - Property: Parcel Number 233-0440-031-0000
 - Agency Negotiators: Steve Anderson, Brian Hensley, Rebecca Scott, Jessica Lomakin, Josh Nelson, Hilary Straus, Annie Liu, Brittney Moore, Missy Pieri, Carlos Urrutia, Tammy Gordon, Kayleigh Shepard
 - Negotiating Parties: DCR 10 CA LLC.
 - Under Negotiation: Price and Terms of Payment

CL-2. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

- a. Pursuant to Section 54956.8:
 - Property: Parcel Number 243-0180-002-0000
 - Agency Negotiators: Steve Anderson, Brian Hensley, Rebecca Scott, Josh Nelson, Hilary Straus, Annie Liu, Brittney Moore, Missy Pieri, Carlos Urrutia, Tammy Gordon, Kayleigh Shepard
 - Negotiating Parties: Ashwani Kumar, Teresita Kumar
 - Under Negotiation: Price and Terms of Payment

CL-3. CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION

(Paragraph (1) of subdivision (d) of Section 54956.9)
CHWD v. San Juan Water District, Sacramento Superior Court,
Case No. 24WM000064

CL-4. CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION

Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9:
(1 case)

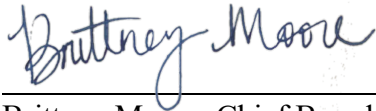
FUTURE CHWD BOARD OF DIRECTORS MEETING DATES:

December 10, 2024	6:00 PM	Special Meeting
December 16, 2024	6:30 PM	Regular Meeting

ADJOURNMENT:

CERTIFICATION:

I do hereby declare and certify that this agenda for this Special Meeting of the Board of Directors of the Citrus Heights Water District was posted in a location accessible to the public at the District Administrative Office Building, 6230 Sylvan Road, Citrus Heights, CA 95610 at least 24 hours prior to the special meeting in accordance with Government Code Section 54956.

A handwritten signature in blue ink that reads "Brittney Moore". The signature is written in a cursive, flowing style.

Brittney Moore, Chief Board Clerk

Dated: November 14, 2024

CITRUS HEIGHTS WATER DISTRICT
BOARD OF DIRECTORS SPECIAL MEETING MINUTES
October 22, 2024

The Special Meeting of the Board of Directors was called to order at 6:17 p.m. by President Sheehan.
Present were:

Caryl F. Sheehan, President
David C. Wheaton Vice President
Raymond A. Riehle, Director

Also present were:

Steve Anderson, General Counsel
Annie Liu, Director of Administrative Services
Brittney Moore, Administrative Services Manager/Chief Board Clerk
Josh Nelson, Assistant General Counsel
Missy Pieri, Director of Engineering / District Engineer
Hilary Straus, General Manager
Carlos Urrutia, Strategic Advisor
Pat West, Board/Executive Advisor

PUBLIC COMMENT:

None.

President Sheehan adjourned the meeting to Closed Session at 6:17 p.m.

CLOSED SESSION:

CL-1. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

- a. Pursuant to Section 54956.8:
Property: Parcel Number 233-0440-031-0000
Agency Negotiators: Steve Anderson, Brian Hensley, Rebecca Scott,
Jessica Lomakin, Josh Nelson, Hilary Straus, Annie Liu,
Brittney Moore, Missy Pieri, Carlos Urrutia, Tammy Gordon
Negotiating Parties: DCR 10 CA LLC.
Under Negotiation: Price and Terms of Payment

No reportable action.

CL-2. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

- a. Pursuant to Section 54956.8:
Property: Parcel Number 243-0180-002-0000
Agency Negotiators: Steve Anderson, Brian Hensley, Rebecca Scott,
Jessica Lomakin, Josh Nelson, Hilary Straus, Annie Liu,
Brittney Moore, Missy Pieri, Carlos Urrutia, Tammy Gordon
Negotiating Parties: Ashwani Kumar, Teresita Kumar
Under Negotiation: Price and Terms of Payment

No reportable action.

CL-3. CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION
(Paragraph (1) of subdivision (d) of Section 54956.9)
CHWD v. San Juan Water District, Sacramento Superior Court,
Case No. 24WM000064

No reportable action.

CL-4. CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section
54956.9: (1 case)

No reportable action.

CL-5. Pursuant to Government Section 54957:
PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Title: General Manager

No reportable action.

President Sheehan adjourned the meeting back to open session at 6:46 p.m.
President Sheehan adjourned the meeting back to closed session at 8:02 p.m.
President Sheehan adjourned the meeting back to open session at 9:07 p.m.

ADJOURNMENT:

There being no other business to come before the Board, the meeting was adjourned at 9:08 p.m.

APPROVED:

BRITTNEY C. MOORE
Chief Board Clerk
Citrus Heights Water District

CARYL F. SHEEHAN, President
Board of Directors
Citrus Heights Water District

CITRUS HEIGHTS WATER DISTRICT
BOARD OF DIRECTORS REGULAR MEETING MINUTES
October 22, 2024

The Regular Meeting of the Board of Directors was called to order at 6:48 p.m. by President Sheehan and roll was called. Present were:

Caryl F. Sheehan, President
David C. Wheaton, Vice President
Raymond A. Riehle, Director

Also Present:

Jen Covino, Covino Smith & Simon
Tammy Gordon, Director of Public Affairs
Todd Jordon, Principal Civil Engineer
Annie Liu, Director of Administrative Services
Tim Loper, Carollo Engineers, Inc.
Brittney Moore, Administrative Services Manager/Chief Board Clerk
Josh Nelson, Assistant General Counsel
Melissa Pieri, Director of Engineering/District Engineer
Rebecca Scott, Director of Operations
Ali Shafaq, Associate Civil Engineer
Kayleigh Shepard, Management Analyst/Deputy Board Clerk
Michael Shorter, Accounting Manager
Hilary Straus, General Manager
Andrew Tran, Information Technology Manager

VISITORS:

Castle Dains
Colton Dains
Paul Dietrich

PLEDGE OF ALLEGIANCE:

President Sheehan led the Pledge of Allegiance.

PUBLIC COMMENT:

None.

CONSENT CALENDAR:

- CC-1a. Minutes of the Special Meeting – August 26, 2024 (A)
- CC-1b. Minutes of the Special Meeting – August 27, 2024 (A)
- CC-1c. Minutes of the Regular Meeting – August 27, 2024 (A)
- CC-1d. Minutes of the Special Meeting – September 23, 2024 (A)
- CC-1e. Minutes of the Special Meeting – September 30, 2024 (A)

Recommendation:

Approve the minutes of the August 26, 2024 Special Meeting, minutes of the August 27, 2024 Special and Regular Meetings, minutes of the September 23, 2024 Special Meeting, and the minutes of the September 30, 2024 Special Meeting.

- CC-2. Revenue Analysis Report for August and September 2024 (I)
- CC-3. Assessor/Collector's Roll Adjustment for August and September 2024 (I)
- CC-4. Treasurer's Report for August and September 2024 (I)
- CC-5. Treasurer's Report of Fund Balances for August and September 2024 (I)
- CC-6. Operating Budget Analysis for August and September 2024 (I)
- CC-7. Capital Projects Summary for August and September 2024 (I)
- CC-8. Warrants for August and September 2024 (I)
- CC-9. Purchase Card Distributions for August and September 2024 (I)
- CC-10. Employee Recognitions (I)
- CC-11. Long-Range Agenda (I)
- CC-12. Engineering Department Report (I)
- CC-13a. Operations Department Report for August 2024 (I)
- CC-13b. Operations Department Report for September 2024 (I)
- CC-14. 2024 Water Supply (I)
- CC-15a. Water Supply Reliability for August 2024 (I)
- CC-15b. Water Supply Reliability for September 2024 (I)
- CC-16a. Water Efficiency and Safety Program Update for August 2024 (I)
- CC-16b. Water Efficiency and Safety Program Update for September 2024 (I)
- CC-17. Discussion and Possible Action to Approve a Professional Services Agreement with Covino Smith and Simon (A)

Recommendation:

Approve the professional services agreement with Covino Smith & Simon and authorize the General Manager to execute the agreement.

- CC-18. Discussion and Possible Action to Designate the District's Voting Representative for the December 4 Membership Meeting at the 2024 Association of California Water Agencies (ACWA) Fall Conference

Recommendations:

1. Designate Vice President Wheaton as the District's voting representative, and Director Riehle as the alternate representative for the ACWA Membership Meeting.
2. Authorize the General Manager or designee to complete and submit the Authorized Voting Representative Form to ACWA.

ACTION:

Director Riehle moved, and Vice President Wheaton seconded the motion to approve the consent calendar.

The motion carried 3-0 with all Directors voting yes.

PRESENTATIONS:

- P-1. Resolution Recognizing the Life and Service of Al Dains

ACTION:

Vice President Wheaton moved, and Director Riehle seconded the motion to approve Resolution 10-2024 recognizing the life of Al Dains and his contributions to the Citrus Heights Water District and the Community of Citrus Heights.

The motion carried 3-0 with all Directors voting yes.

PUBLIC HEARINGS:

None.

STUDY SESSION:

S-1. 2025 Miscellaneous Fees and Charges and Capacity Fees

The Board provided consensus direction to staff concerning the draft Miscellaneous Fees, Charges and Capacity Fees for 2025.

BUSINESS:

B-1. Discussion and Possible Action to Adopt Ordinance 01-2024 Relating to Theft and Unauthorized Use of Water (A)

ACTION:

Director Riehle moved, and Vice President Wheaton seconded the motion to Adopt Ordinance 01-2024: Theft and Unauthorized Use of Water.

The motion carried 3-0 with all Directors voting yes.

B-2. Discussion and Possible Action to Approve a Professional Services Agreement for Engineering Services with Carollo Engineers, Inc. for the District's Water System Master Plan Award of Contract

ACTION:

Vice President Wheaton moved, and Director Riehle seconded the motion to Approve the Professional Services Agreement with Carollo Engineers, Inc. in the Amount of \$476,785.00 and to Establish a Contingency Fund in the Amount of \$47,678.00 (10%); and Authorized the General Manager to Execute the Agreement with Carollo Engineers, Inc.

The motion carried 3-0 with all Directors voting yes.

MANAGEMENT SERVICES REPORTS (I):

MS-1. 2025 Board Meeting Schedule

The Board provided consensus direction to staff concerning the 2025 Board Meeting Schedule.

CONSULTANTS' AND LEGAL COUNSEL'S REPORTS (I):

None.

DIRECTOR'S AND REPRESENTATIVE'S REPORTS (I):

- D-1. Regional Water Authority (Sheehan/Straus).
- D-2. Sacramento Groundwater Authority (Sheehan).
- D-3. San Juan Water District (All).
- D-4. Association of California Water Agencies (Riehle/Wheaton).
- D-5. ACWA Joint Powers Insurance Authority (Wheaton/Moore).
- D-6. City of Citrus Heights (Pieri).
- D-7. Chamber of Commerce Update (Gordon).
- D-8. RWA Legislative and Regulatory Affairs Update (Riehle/Gordon).
- D-9. Customer Advisory Committee (Riehle/Gordon).
- D-10. Other Reports.

CLOSED SESSION:

None.

ADJOURNMENT:

There being no other business to come before the Board, the meeting was adjourned at 8:02 p.m.

APPROVED:

BRITTNEY C. MOORE
Chief Board Clerk
Citrus Heights Water District

CARYL F. SHEEHAN, President
Board of Directors
Citrus Heights Water District

CITRUS HEIGHTS WATER DISTRICT
BOARD OF DIRECTORS SPECIAL MEETING MINUTES
November 7, 2024

The Special Meeting of the Board of Directors was called to order at 6:01 p.m. by President Sheehan.
Present were:

Caryl F. Sheehan, President
David C. Wheaton Vice President
Raymond A. Riehle, Director

Also present were:

Brian Hensley, Water Resources Supervisor
Todd Jordan, Principal Civil Engineer
Annie Liu, Director of Administrative Services
Jessica Lomakin, BBK Associate
Missy Pieri, Director of Engineering / District Engineer
Kayleigh Shepard, Management Analyst/Deputy Board Clerk
Hilary Straus, General Manager
Carlos Urrutia, Strategic Advisor

PLEDGE OF ALLEGIANCE:

President Sheehan led the Pledge of Allegiance.

PUBLIC COMMENT:

None.

CONSENT CALENDAR:

CC-1. Consideration and Possible Action to Reject All Bids for the Ella Way Well Project (A)

Recommendation:

Reject All Bids for the Project.

ACTION:

Vice President Wheaton moved, and Director Riehle seconded the motion to approve the consent calendar.

The motion carried 3-0 with all Directors voting yes.

President Sheehan adjourned the meeting to Closed Session at 6:02 p.m.

CLOSED SESSION:

CL-1. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

a. Pursuant to Section 54956.8:

Property: Parcel Number 233-0440-031-0000

Agency Negotiators: Brian Hensley, Jessica Lomakin,

Hilary Straus, Annie Liu, Kayleigh Shepard,
Missy Pieri, Carlos Urrutia, Todd Jordan
Negotiating Parties: DCR 10 CA LLC.
Under Negotiation: Price and Terms of Payment

No reportable actions.

President Sheehan adjourned the meeting back to open session at 7:25 p.m.

ADJOURNMENT:

There being no other business to come before the Board, the meeting was adjourned at 7:42 p.m.

APPROVED:

BRITTNEY C. MOORE
Chief Board Clerk
Citrus Heights Water District

CARYL F. SHEEHAN, President
Board of Directors
Citrus Heights Water District

CITRUS HEIGHTS WATER DISTRICT
October 2024
REVENUE ANALYSIS

Outstanding Receivables

Aged Trial Balance					
Total	Current	31-90	91-150	>150	Unapplied Current
2,224,586	1,841,245	225,157	66,046	195,254	103,115

General Ledger Balance	Total
Outstanding A/R	2,286,777.79
Outstanding Liens	-
Outstanding Grants	740.31
A/R Other	-
Less Unapplied Payments	(103,799)
Total	\$ 2,183,719

**CITRUS HEIGHTS WATER DISTRICT
ASSESSOR/COLLECTOR'S ROLL ADJUSTMENTS FOR
October 31, 2024**

LID	CID	Charge Type	Trans.Date	Reason For Cancellation	Amount
21039	40808	DEFAULT	10/7/2024	ONE-TIME COURTESY	6.23000
21007	33096	DEFAULT	10/7/2024	ONE-TIME COURTESY	6.23000
5386	4816	DEFAULT	10/7/2024	ONE-TIME COURTESY	6.87000
12805	11341	DEFAULT	10/15/2024	ONE-TIME COURTESY	11.83000
5774	5144	DEFAULT	10/15/2024	ONE-TIME COURTESY	14.63000
8675	38015	DEFAULT	10/7/2024	ONE-TIME COURTESY	7.43000
2159	25050	DEFAULT	10/29/2024	ONE-TIME COURTESY	6.39000
9128	23356	DEFAULT	10/22/2024	ONE-TIME COURTESY	18.95000
9113	23356	DEFAULT	10/22/2024	ONE-TIME COURTESY	7.11000
16620	447	DEFAULT	10/22/2024	ONE-TIME COURTESY	8.79000
467	447	DEFAULT	10/22/2024	ONE-TIME COURTESY	9.03000
4651	4133	DEFAULT	10/29/2024	ONE-TIME COURTESY	11.03000
10557	9346	DEFAULT	10/7/2024	CHWD POSTING ERROR	8.15000
					\$ 122.67

October 31, 2024

To: Citrus Heights Water District Board of Directors

Re: Citrus Heights Water District Investment Portfolio Report for October 2024

The attached Investment Report for October 2024 is submitted in accordance with the Citrus Heights Water District (District)'s Investment Policy. All investments are in compliance with the policy.

The Investment Report lists all short- term, mid-term and long-term investments held at the conclusion of business on the final day of the month. The combined cash and investments in the District's treasury total \$33,276,845 with \$10,177,879 under the management of the Local Agency Investment Fund, California Asset Management Program, Money Market Funds and BMO Bank.

Investments with original cost of \$23,098,966 are selected based on criteria contained in the District's Investment Policy, which emphasized safety, liquidity, yield, and diversification. The core investments are marked to market daily based on a current market price determined by U.S. Bancorp Investments. The aggregate investment portfolio and holdings are included in the Investment Report.

The Investment Report demonstrates that sufficient liquidity is available to meet anticipated expenditures during the next six months.

Respectfully submitted,



Annie Y. Liu

Director of Administrative Services/Treasurer

TREASURER'S REPORT TO THE BOARD OF DIRECTORS
For October 31, 2024

Summary of Funds

Fund Name	Par Amount	Book Value	Original Cost	Market Value
BMO Checking Plus Money Market Funds	4,225,434	4,225,434	4,225,434	4,225,434
Local Agency Investment Fund (LAIF)	55,918	55,918	55,918	55,918
California Asset Management Program (CAMP)	5,896,527	5,896,527	5,896,527	5,896,527
CHWD Investment CORE	23,488,138	23,098,966	22,893,952	23,159,992
Total	33,666,016.75	33,276,845.24	33,071,831.37	33,337,870.74

TREASURER'S REPORT TO THE BOARD OF DIRECTORS

For October, 2024

Funds Reconciliation

BMO Beginning Balance 10/1/2024	\$2,929,688
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RECEIPTS/TRANSFERS:

Receipts	2,681,212	
		<u>2,681,212</u>

DISBURSEMENTS/TRANSFERS:

Checks Issued / ACH Payments	850,927	
Returned Checks	9,119	
Bank fees	9,711	
Payroll	515,710	
		<u>1,385,466</u>
		<u>1,295,746</u>

Balance Per Bank 10/31/2024	<u>4,225,434</u>
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Outstanding Checks	589,145
Deposit in Transit	<u>200,503</u>

Balance Per Books 10/31/2024	<u>\$3,836,792</u>
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RECONCILEMENT:

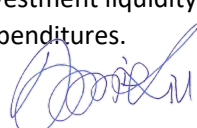
BMO Checking Plus Money Market Funds	\$4,225,434
CAMP Pool Account	\$5,896,527
Local Agency Investment Fund	\$55,918

TOTAL LIQUIDY BALANCE	<u>\$10,177,879</u>
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CASH & INVESTMENT SUMMARY:

CHWD-Liquidity	10,177,879
CHWD-Investment Core	<u>23,098,966</u>
Total	<u>33,276,845</u>

I certify that this report accurately reflects all pooled investments and is in compliance with applicable State of California Government Codes and is in conformity with Investment of District Funds Policy 6300. As Treasurer of the Citrus Heights Water District, I hereby certify that sufficient investment liquidity and anticipated revenue are available to meet the next six months' estimated expenditures.



ANNIE Y. LIU
Treasurer
10/31/2024



HILARY M. STRAUS
Secretary



Monthly Investment Report Citrus Heights Water District

October 31, 2024

Total Aggregate Portfolio

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Citrus Heights Water District | Total Aggregate Portfolio

Month End Commentary - October 2024

The month of October was a spooky one for financial markets all around with selling pressure presiding among both rate and risk markets. After several months of declines, yields surged in dramatic fashion led by the 5-year Treasury note which increased by 60 basis points to 4.16% while the 10-year note jumped by 50 basis points to finish the month at 4.28%. Stocks pulled back a touch with the S&P 500 index falling by 0.99%, hardly trimming the year-to-date return to a still impressive 19.62%.

Markets wasted no time getting things going in October with volatility rising early in the month on strong labor data leading investors to rethink just how fast and how far the Fed will continue to ease policy after they commenced their rate cutting campaign with an outsized 50 basis point rate cut in September. Adding to the mix, were uncertainties surrounding the election and how market participants would digest the hefty amount of issuance coming out of the US Treasury. The FOMC is set to meet on November 7th, just two days after the election where it is widely anticipated they will lower the benchmark rate by an additional 25 basis points to a median range target of 4.625%. Encouragingly, inflation has been continuing to decelerate while the labor market though slowing, remains healthy.

Economic data delivered some upside surprises lately, notably, consumption and labor. GDP grew by an annualized 2.8% in the Q3 advance estimate while personal consumption delivered an outsized 3.7% reading, beating expectations and jumping from 2.8% in Q2. Clearly, the consumer remains in good shape but one can only question how long it can be sustained. After the acceleration in job growth we witnessed in Q3, which ended the quarter with a now downwardly revised 223 thousand jobs in September, job growth fell well short of expectations in October adding only a meager 12 thousand workers to payrolls versus an expected 100 thousand in what was the smallest print in nearly four years. However, it should be noted that the October report came with some caveats. For one, the establishment survey which generates the nonfarm payrolls number, was highly distorted due to hurricanes Helene and Milton, rendering a significant part of the southeast without work for the month and two, the household survey which provides the unemployment rate, remained at a very low 4.1% cutting the credibility of the establishment survey. Fortunately, and without so much noise, inflation has remained on its downward trajectory allowing the Fed to keep focused on their full employment mandate. CPI registered an annualized 2.4% rate in October while the Fed favored PCE gauge ticked down to 2.1% nearly hitting their 2.0% target, and while prices excluding food and energy remain elevated, they too have been abating, albeit slowly.

With the FOMC continuing to ease monetary policy, we advise clients to manage portfolio durations neutral to long of their respective benchmarks and with the yield curve expected to steepen, maintain duration by tactically adding to the middle sectors of the duration profile. Credit spreads remain suppressed leading us to manage exposures on the lower end of the tactical band while being opportunistic when strong, creditworthy issuers come to market. For now, we have been favoring US Treasury and agency debt when it provides value and have added in highly rated commercial paper in portfolios whose policies allow.

Treasury Curve Total Returns Last 12 Months

Treasuries	Total Return
3 month bill	5.39%
1 year note	5.38%
2 year note	5.45%
3 year note	5.89%
5 year note	6.73%

Treasury Benchmark Total Returns In Month

Benchmark	Period Return	YTM	Duration (Years)
ICE BAML 90 Day Bill	0.38%	4.50%	0.24
ICE BAML 0-1 Year Treasury	0.28%	4.48%	0.49
ICE BAML 0-3 Year Treasury	-0.31%	4.28%	1.4
ICE BAML 0-5 Year Treasury	-0.78%	4.24%	2.12

Changes In The Treasury Market (Absolute Yield Levels)

Treasuries	10/31/2023	08/31/2024	09/30/2024	10/31/2024	1 Month Change	12 Month Change
3 month bill	5.46%	5.11%	4.62%	4.54%	-0.08%	-0.92%
6 month bill	5.57%	4.86%	4.40%	4.46%	0.05%	-1.11%
1 year note	5.45%	4.40%	4.00%	4.27%	0.27%	-1.18%
2 year note	5.09%	3.92%	3.64%	4.17%	0.53%	-0.92%
3 year note	4.93%	3.78%	3.55%	4.13%	0.58%	-0.79%
5 year note	4.85%	3.70%	3.56%	4.16%	0.60%	-0.70%
10 year note	4.93%	3.90%	3.78%	4.28%	0.50%	-0.65%

Compliance Report

Citrus Heights Water District | Total Aggregate Portfolio

Category

Policy Diversification Constraint	Policy Limit	Actual Value*	Status
US Treasury Obligations Maximum % of Holdings	100.000	20.419	Compliant
US Agency Obligations Issuer Concentration	35.000	18.576	Compliant
US Agency Obligations Maximum % of Holdings	100.000	29.500	Compliant
Supranationals - Issuer is IADB, IBRD, or IFC	0.000	0.000	Compliant
Supranationals Issuer Concentration	5.000	2.363	Compliant
Supranationals Maximum % of Holdings	30.000	5.349	Compliant
Municipal Bonds - Other States Outside of CA	25.000	1.163	Compliant
Municipal Bonds - Other States Outside of CA Issuer Concentration	10.000	1.163	Compliant
Municipal Bonds - State of California	25.000	0.481	Compliant
Municipal Bonds - State of California Issuer Concentration	10.000	0.481	Compliant
Municipal Bonds CA Entities Issuer Concentration	10.000	0.717	Compliant
Municipal Bonds CA Entities Max. % of Holdings	30.000	2.845	Compliant
Mortgages, CMOs and Asset Backed Securities Issuer Concentration	5.000	0.627	Compliant
Mortgages, CMOs and Asset Backed Securities Maximum % of Holdings	20.000	4.347	Compliant
Corporate Notes Issuer Concentration	5.000	0.000	Compliant
Corporate Notes Maximum % of Holdings	30.000	8.616	Compliant
Corporate Notes must be Issued by US Corporation	0.000	0.000	Compliant
Commercial Paper Issued and Operating in the US	0.000	0.000	Compliant
Commercial Paper Issuer Concentration	5.000	0.000	Compliant
Commercial Paper Maximum % of Holdings	25.000	0.000	Compliant
Negotiable CDs Issuer Concentration	5.000	0.000	Compliant
Negotiable CDs Maximum % of Holdings	10.000	0.000	Compliant
Non-Negotiable CDs Issuer Concentration	5.000	0.000	Compliant
Non-Negotiable CDs Maximum % of Holdings	10.000	0.000	Compliant
Banker's Acceptance Issuer Concentration	5.000	0.000	Compliant
Banker's Acceptance Maximum % of Holdings	25.000	0.000	Compliant
Money Market Issuer Concentration	20.000	2.818	Compliant
Money Market Maximum % of Holdings	20.000	2.918	Compliant
LGIP Maximum % of Holdings	100.000	0.157	Compliant

1) Actual values are based on market value.

2) The compliance report allows for resolutions to be documented if an actual value exceeds a limit. The specific resolution can be found on the client portal site.

Compliance Report

Citrus Heights Water District | Total Aggregate Portfolio

Category

Policy Maturity Structure Constraint	Policy Limit	Actual %	Status
Maturity Constraints Under 5 years Minimum % of Total Portfolio	100.000	100.000	Compliant
Policy Maturity Constraint	Policy Limit	Actual Term	Status
US Treasury Maximum Maturity At Time of Purchase (years)	5.000	5.000	Compliant
US Agency Callable Securities Maximum % of Total Portfolio	25.000	0.000	Compliant
US Agency Maximum Maturity At Time of Purchase (years)	5.000	4.992	Compliant
Supranationals Maximum Maturity At Time of Purchase (years)	5.000	4.943	Compliant
Municipals Maximum Maturity At Time of Purchase (years)	5.000	4.995	Compliant
Mortgages, CMOs and Asset Backed Securities Maximum Maturity At Time of Purchase (years)	5.000	4.565	Compliant
Corporate Maximum Maturity At Time of Purchase (years)	5.000	4.833	Compliant
Commercial Paper Days to Final Maturity (days)	270.000	0.000	Compliant
Negotiable CDs Maximum Maturity At Time of Purchase (years)	1.000	0.000	Compliant
Non-Negotiable CDs Maximum Maturity At Time of Purchase (years)	1.000	0.000	Compliant
Banker's Acceptance Maximum Maturity At Time of Purchase (days)	180.000	0.000	Compliant
Weighted Average Maturity (years)	2.500	1.750	Compliant
Policy Credit Constraint			Status
Supranationals Ratings AA-/Aa3/AA- or better (Rated by 1 NRSRO)			Compliant
Municipal Bonds Ratings Minimum A-/A3/A- (Rated by 1 NRSRO)			Compliant
Mortgages, CMOs and Asset Backed Securities Minimum Credit Rating AA/Aa3/AA (Rated by 1 NRSRO)			Compliant
Corporate Notes Ratings Minimum A-/A-/A3 (Rated by 1 NRSRO)			Compliant
Commercial Paper Ratings Minimum A1/P1/F1 (Rated by 1 NRSRO)			Compliant
Commercial Paper Minimum Long Term Rating A-/A3/A- (Rated by 1 NRSRO)			Compliant
Money Market Ratings Minimum AAA/Aaa/AAA (Rated by 1 NRSRO)			Compliant

1) Actual values are based on market value.

2) The compliance report allows for resolutions to be documented if an actual value exceeds a limit. The specific resolution can be found on the client portal site.

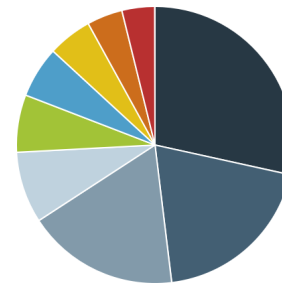
Summary Overview

Citrus Heights Water District | Total Aggregate Portfolio

Portfolio Characteristics

Metric	Value
Cash and Cash Equivalents	10,210,166.75
Investments	23,332,717.86
Book Yield	4.38%
Market Yield	4.19%
Effective Duration	1.48
Years to Maturity	1.65
Avg Credit Rating	AAA

Allocation by Asset Class



- US Agency **28.4%**
- US Treasury **19.6%**
- Pooled Funds **17.7%**
- Corporate **8.3%**
- Money Market Fund **6.7%**
- Bank Deposit **6.0%**
- Supranational **5.2%**
- Asset Backed Securities **4.2%**
- Municipals **3.8%**
- Cash **0.0%**

Strategic Structure

Account	Par Amount	Book Value	Original Cost	Market Value	Net Unrealized Gain (Loss)	Accrued	Yield at Cost	Effective Duration	Benchmark Duration	Benchmark
CHWD-Investment Core	23,488,137.59	23,098,966.08	22,903,189.46	23,159,991.58	61,025.50	205,013.87	4.57%	2.12	2.12	ICE BofA 0-5 Year US Treasury Index
CHWD-Liquidity	10,177,879.16	10,177,879.16	10,177,879.16	10,177,879.16	0.00	0.00	3.94%	0.01	0.09	ICE BofA US 1-Month Treasury Bill Index
Total	33,666,016.75	33,276,845.24	33,081,068.62	33,337,870.74	61,025.50	205,013.87	4.38%	1.48		



CHWD Holdings Report

As of 10/31/2024

CHWD_Total Portfolio (354503)

Dated: 11/13/2024

Identifier	Description	Final Maturity	Par Amount	Book Value	Original Cost	Market Value	Net Unrealized Gain/Loss	Accrued Balance	Book Yield	GPA Effective Duration, Years to Final Maturity
CAL_CAMP	California Asset Management Program	10/31/2024	5,896,527.14	5,896,527.14	5,896,527.14	5,896,527.14	0.00	0.00	5.030	0.010 0.000
CAL_LGIP	CALIFORNIA LAIF	10/31/2024	55,917.80	55,917.80	55,917.80	55,917.80	0.00	0.00	4.510	0.010 0.000
CHWD_BMO_DE P	BMO Deposit	10/31/2024	2,009,534.07	2,009,534.07	2,009,534.07	2,009,534.07	0.00	0.00	0.000	0.010 0.000
60934N104	FEDERATED HRMS GV O INST	10/31/2024	2,215,900.15	2,215,900.15	2,215,900.15	2,215,900.15	0.00	0.00	4.580	0.000 0.000
31846V203	FIRST AMER:GVT OBLG Y	10/31/2024	31,942.02	31,942.02	31,942.02	31,942.02	0.00	0.00	4.450	0.000 0.000
CCYUSD	Receivable	10/31/2024	345.57	345.57	345.57	345.57	0.00	0.00	0.000	0.000 0.000
91282CFX4	UNITED STATES TREASURY	11/30/2024	450,000.00	449,688.48	445,746.09	449,914.50	226.02	8,520.49	5.407	0.082 0.082
3130ATUR6	FEDERAL HOME LOAN BANKS	12/13/2024	350,000.00	349,801.01	347,474.75	349,972.00	170.99	6,205.21	5.144	0.116 0.118
91282CDS7	UNITED STATES TREASURY	01/15/2025	400,000.00	396,722.01	378,015.63	397,148.00	425.99	1,332.88	5.330	0.205 0.208
3130AV7L0	FEDERAL HOME LOAN BANKS	02/28/2025	300,000.00	300,019.13	300,099.00	300,369.00	349.88	2,625.00	4.975	0.320 0.329
3130AUZC1	FEDERAL HOME LOAN BANKS	03/14/2025	350,000.00	349,440.47	347,480.00	349,916.00	475.53	2,113.37	5.083	0.363 0.367
3135G03U5	FEDERAL NATIONAL MORTGAGE ASSOCIATION	04/22/2025	350,000.00	343,031.95	324,558.50	343,738.50	706.55	54.69	5.093	0.465 0.474
02582JIT8	AMXCA 2022-2 A	05/15/2025	200,000.00	198,142.69	193,437.50	198,578.00	435.31	301.33	5.277	0.524 0.537
912828XB1	UNITED STATES TREASURY	05/15/2025	400,000.00	393,842.67	380,328.13	395,072.00	1,229.33	3,926.63	5.171	0.524 0.537
254683CS2	DCENT 2022-2 A	05/15/2025	200,000.00	197,595.66	192,750.00	198,478.00	882.34	295.11	5.747	0.524 0.537
3133EPNB7	FEDERAL FARM CREDIT BANKS FUNDING CORP	06/20/2025	300,000.00	299,634.86	298,854.00	300,429.00	794.14	5,048.96	4.829	0.611 0.635
3133EPRS6	FEDERAL FARM CREDIT BANKS FUNDING CORP	07/28/2025	350,000.00	349,441.79	348,539.10	351,386.00	1,944.21	4,407.81	5.103	0.714 0.739
06428CAC8	BANK OF AMERICA NA	08/18/2025	250,000.00	249,984.00	249,960.00	252,035.00	2,051.00	2,864.24	5.658	0.687 0.797
89236TKZ7	TOYOTA MOTOR CREDIT CORP	09/11/2025	200,000.00	200,210.48	200,490.00	201,798.00	1,587.52	1,555.56	5.469	0.829 0.862
91282CFK2	UNITED STATES TREASURY	09/15/2025	300,000.00	297,178.79	292,769.53	297,867.00	688.21	1,363.26	4.649	0.846 0.873
17325FBA5	CITIBANK NA	09/29/2025	250,000.00	249,923.61	249,832.50	252,705.00	2,781.39	1,303.11	5.900	0.803 0.912
14041NGB1	COMET 2022-3 A	10/15/2025	200,000.00	199,651.28	199,156.25	200,640.00	988.72	440.00	5.200	0.915 0.956
3133EPMB8	FEDERAL FARM CREDIT BANKS FUNDING CORP	12/08/2025	300,000.00	298,469.36	296,577.00	299,652.00	1,182.64	4,915.63	4.621	1.050 1.104
3133EPW68	FEDERAL FARM CREDIT BANKS FUNDING CORP	01/22/2026	500,000.00	498,635.54	497,790.00	499,300.00	664.46	5,671.88	4.360	1.170 1.227
3133ERNJ6	FEDERAL FARM CREDIT BANKS FUNDING CORP	02/06/2026	500,000.00	502,238.92	502,520.00	501,745.00	-493.92	5,312.50	4.129	1.206 1.268
91282CGL9	UNITED STATES TREASURY	02/15/2026	350,000.00	347,047.14	344,175.78	348,932.50	1,885.36	2,967.39	4.702	1.235 1.293
3133EPNV3	FEDERAL FARM CREDIT BANKS FUNDING CORP	03/30/2026	300,000.00	299,531.56	299,085.00	300,699.00	1,167.44	1,130.21	4.496	1.356 1.411
3133EPPR0	FEDERAL FARM CREDIT BANKS FUNDING CORP	04/10/2026	400,000.00	399,499.94	399,045.60	402,292.00	2,792.06	1,079.17	4.721	1.379 1.441
14913UAA8	CATERPILLAR FINANCIAL SERVICES CORP	05/15/2026	150,000.00	149,085.09	148,278.00	149,962.50	877.41	3,008.75	4.779	1.444 1.537
3133EPUD5	FEDERAL FARM CREDIT BANKS FUNDING CORP	05/28/2026	300,000.00	299,520.94	299,160.60	302,421.00	2,900.06	6,056.25	4.863	1.476 1.572



CHWD Holdings Report

As of 10/31/2024

CHWD_Total Portfolio (354503)

Dated: 11/13/2024

Identifier	Description	Final Maturity	Par Amount	Book Value	Original Cost	Market Value	Net Unrealized Gain/Loss	Accrued Balance	Book Yield	GPA Effective Duration, Years to Final Maturity
24422EWX3	JOHN DEERE CAPITAL CORP	06/08/2026	150,000.00	149,993.50	149,988.00	150,795.00	801.50	2,830.21	4.752	1.501 1.602
89239KAC5	TAOT 2022-A A3	06/15/2026	71,438.39	69,919.07	68,762.24	70,621.86	702.79	39.05	5.555	0.307 1.621
3133EPNG6	FEDERAL FARM CREDIT BANKS FUNDING CORP	06/23/2026	300,000.00	299,824.56	299,679.00	301,347.00	1,522.44	4,666.67	4.413	1.550 1.643
3133EPQC2	FEDERAL FARM CREDIT BANKS FUNDING CORP	07/17/2026	250,000.00	249,766.30	249,595.25	251,817.50	2,051.20	3,340.28	4.684	1.611 1.709
78016FZZ0	ROYAL BANK OF CANADA	07/20/2026	150,000.00	149,769.53	149,596.50	151,825.50	2,055.97	2,188.33	5.298	1.609 1.717
06051GLA5	BANK OF AMERICA CORP	07/22/2026	150,000.00	149,224.03	147,766.50	149,815.50	591.47	1,991.14	5.363	0.696 1.723
797272RN3	SAN DIEGO CALIF CMNTY COLLEGE DIST	08/01/2026	145,000.00	137,366.67	131,719.45	138,121.20	754.53	523.81	4.718	1.692 1.750
94988J6D4	WELLS FARGO BANK NA	08/07/2026	250,000.00	249,944.08	249,905.00	253,735.00	3,790.92	3,179.17	5.464	1.582 1.767
3133EPSW6	FEDERAL FARM CREDIT BANKS FUNDING CORP	08/14/2026	350,000.00	349,841.44	349,733.30	352,240.00	2,398.56	3,368.75	4.527	1.687 1.786
34533YAE0	FORDO 2020-C A4	08/15/2026	127,164.22	123,023.77	120,070.84	126,178.69	3,154.92	28.82	4.876	0.299 1.789
3130AWTQ3	FEDERAL HOME LOAN BANKS	09/11/2026	350,000.00	348,848.02	348,110.00	353,535.00	4,686.98	2,248.26	4.814	1.759 1.862
78016EZZ3	ROYAL BANK OF CANADA	11/02/2026	200,000.00	186,491.99	177,770.00	188,272.00	1,780.01	1,392.22	5.114	1.923 2.005
13067WRD6	CALIFORNIA ST DEPT WTR RES CENT VY PROJ REV	12/01/2026	165,000.00	152,126.52	145,063.05	153,933.45	1,806.93	632.50	5.028	2.016 2.085
17325FBC1	CITIBANK NA	12/04/2026	250,000.00	252,850.94	254,080.00	254,745.00	1,894.06	5,602.33	4.872	1.853 2.093
3130ATVE4	FEDERAL HOME LOAN BANKS	12/11/2026	500,000.00	506,346.92	506,825.00	503,560.00	-2,786.92	8,750.00	3.864	1.963 2.112
91282CJT9	UNITED STATES TREASURY	01/15/2027	500,000.00	498,706.73	498,261.72	498,455.00	-251.73	5,923.91	4.125	2.067 2.208
912828Z78	UNITED STATES TREASURY	01/31/2027	375,000.00	352,320.10	339,667.97	353,921.25	1,601.15	1,421.54	4.438	2.167 2.252
3130A3DU5	FEDERAL HOME LOAN BANKS	03/12/2027	500,000.00	490,764.63	490,142.50	486,915.00	-3,849.63	2,041.67	3.827	2.243 2.361
91282CKE0	UNITED STATES TREASURY	03/15/2027	500,000.00	500,052.90	500,058.59	501,310.00	1,257.10	2,758.98	4.244	2.225 2.370
3133ENV9	FEDERAL FARM CREDIT BANKS FUNDING CORP	04/26/2027	350,000.00	336,962.11	330,400.00	339,717.00	2,754.89	139.76	4.522	2.366 2.485
91412HFP3	UNIVERSITY CALIF REVS	05/15/2027	200,000.00	185,711.06	178,080.00	185,476.00	-235.06	1,259.76	4.469	2.432 2.537
3133ERFJ5	FEDERAL FARM CREDIT BANKS FUNDING CORP	05/20/2027	500,000.00	508,366.23	508,888.00	504,165.00	-4,201.23	10,062.50	3.802	2.345 2.550
91282CEW7	UNITED STATES TREASURY	06/30/2027	300,000.00	293,186.61	289,699.22	293,427.00	240.39	3,285.33	4.187	2.495 2.663
7994082A6	SAN RAMON VALLEY CALIF UNI SCH DIST	08/01/2027	250,000.00	228,322.20	218,142.50	230,167.50	1,845.30	740.00	4.688	2.647 2.750
799038NS9	SAN MATEO CNTY CALIF CMNTY COLLEGE DIST	09/01/2027	220,000.00	201,564.42	192,810.20	203,196.40	1,631.98	537.90	4.768	2.717 2.835
65480BAD9	NAROT 2021-A A4	09/15/2027	200,000.00	188,647.94	183,296.88	195,726.00	7,078.06	50.67	5.002	0.591 2.873
91282CFM8	UNITED STATES TREASURY	09/30/2027	300,000.00	299,680.59	299,531.25	300,048.00	367.41	1,087.91	4.164	2.711 2.914
419792DB9	HAWAII ST	10/01/2027	200,000.00	193,889.17	191,052.00	194,510.00	620.83	558.33	4.514	2.553 2.917
89236TKL8	TOYOTA MOTOR CREDIT CORP	11/10/2027	150,000.00	152,416.64	153,498.00	154,077.00	1,660.36	3,883.13	4.850	2.703 3.027
12663JAC5	CNH 2022-B A3	11/15/2027	202,247.40	198,413.59	196,764.60	200,785.14	2,371.55	349.66	5.368	0.781 3.041



CHWD Holdings Report

As of 10/31/2024

CHWD_Total Portfolio (354503)

Dated: 11/13/2024

Identifier	Description	Final Maturity	Par Amount	Book Value	Original Cost	Market Value	Net Unrealized Gain/Loss	Accrued Balance	Book Yield	GPA Effective Duration, Years to Final Maturity
023135CP9	AMAZON.COM INC	12/01/2027	150,000.00	149,707.11	149,578.50	150,855.00	1,147.89	2,843.75	4.620	2.752 3.085
142921AD7	CARMX 2032-2 A3	01/18/2028	200,000.00	199,499.74	199,289.06	200,784.00	1,284.26	448.89	5.252	1.152 3.216
24422EWR6	JOHN DEERE CAPITAL CORP	01/20/2028	150,000.00	150,078.15	150,111.00	151,264.50	1,186.35	1,998.96	4.731	2.921 3.222
3133EPAV7	FEDERAL FARM CREDIT BANKS FUNDING CORP	02/14/2028	250,000.00	247,929.63	247,082.50	247,590.00	-339.63	2,072.05	4.154	3.028 3.290
931142FB4	WALMART INC	04/15/2028	150,000.00	147,903.72	147,082.50	147,993.00	89.28	260.00	4.352	3.166 3.457
46647PDA1	JPMORGAN CHASE & CO	04/26/2028	150,000.00	146,628.71	144,790.50	148,467.00	1,838.29	90.06	5.145	2.326 3.487
91282CCE9	UNITED STATES TREASURY	05/31/2028	300,000.00	272,729.33	262,359.38	271,254.00	-1,475.33	1,577.87	4.082	3.419 3.583
3130AWN63	FEDERAL HOME LOAN BANKS	06/30/2028	300,000.00	299,215.09	298,938.00	298,716.00	-499.09	4,033.33	4.080	3.333 3.665
419792YT7	HAWAII ST	08/01/2028	200,000.00	176,963.29	169,290.00	177,814.00	850.71	572.50	4.623	3.586 3.753
459058KW2	INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPM	08/01/2028	500,000.00	508,042.67	509,670.00	507,645.00	-397.67	5,781.25	4.150	3.380 3.753
3133EPUN3	FEDERAL FARM CREDIT BANKS FUNDING CORP	08/28/2028	350,000.00	351,867.07	352,439.50	353,584.00	1,716.93	2,756.25	4.328	3.459 3.827
91282CDF5	UNITED STATES TREASURY	10/31/2028	650,000.00	598,002.05	596,933.60	583,830.00	-14,172.05	24.69	3.542	3.820 4.000
45950VSM9	INTERNATIONAL FINANCE CORP	11/27/2028	250,000.00	254,051.52	254,912.50	253,162.50	-889.02	4,812.50	4.056	3.624 4.074
3130AXQK7	FEDERAL HOME LOAN BANKS	12/08/2028	500,000.00	512,465.05	514,770.00	510,885.00	-1,580.05	9,434.03	4.071	3.637 4.104
91282CDW8	UNITED STATES TREASURY	01/31/2029	425,000.00	388,558.63	382,101.56	385,288.00	-3,270.63	1,879.59	3.997	4.003 4.252
4581X0EN4	INTER-AMERICAN DEVELOPMENT BANK	02/15/2029	450,000.00	448,111.92	447,825.15	448,564.50	452.58	3,918.75	4.233	3.860 4.293
45950VSZ0	INTERNATIONAL FINANCE CORP	03/27/2029	500,000.00	491,739.91	490,789.00	503,205.00	11,465.09	2,065.97	4.800	3.957 4.402
3133ERDH1	FEDERAL FARM CREDIT BANKS FUNDING CORP	04/30/2029	625,000.00	632,972.03	633,768.75	638,625.00	5,652.97	82.47	4.430	4.025 4.496
91282CES6	UNITED STATES TREASURY	05/31/2029	650,000.00	607,286.72	604,144.53	611,734.50	4,447.78	7,521.17	4.360	4.188 4.580
91282CFC0	UNITED STATES TREASURY	07/31/2029	500,000.00	468,453.05	468,398.44	467,110.00	-1,343.05	3,316.92	4.101	4.365 4.747
91282CFJ5	UNITED STATES TREASURY	08/31/2029	400,000.00	391,793.45	391,546.88	381,844.00	-9,949.45	2,140.88	3.593	4.397 4.832
---	---	06/24/2026	33,666,016.75	33,276,845.24	33,081,068.62	33,337,870.74	61,025.50	205,013.87	4.377	1.473 1.645

* Weighted by: Market Value. * Holdings Displayed by: Lot.

This report is for general informational purposes only and is not intended to provide specific advice or recommendations. Government Portfolio Advisors (GPA) is an investment advisor registered with the Securities and Exchange Commission and is required to maintain a written disclosure statement of our background and business experience.

Questions About an Account: GPA's monthly & quarterly reports are intended to detail the investment advisory activity managed by GPA. The custodial bank maintains the control of assets and settles all investment transactions. The custodial statement is the official record of security and cash holdings and transactions. GPA recognizes that clients may use these reports to facilitate record keeping and that the custodial bank statement and the GPA report should be reconciled, and differences documented.

Trade Date versus Settlement Date: Many custodial banks use settlement date basis and post coupons or maturities on the following business days when they occur on weekend. These items may result in the need to reconcile due to a timing difference. GPA reports are on a trade date basis in accordance with GIPS performance standards. GPA can provide all account settings to support the reason for any variance.

Bank Deposits and Pooled Investment Funds Held in Liquidity Accounts Away from the Custodial Bank are Referred to as Line Item Securities: GPA relies on the information provided by clients when reporting pool balances, bank balances and other assets that are not held at the client's custodial bank. GPA does not guarantee the accuracy of information received from third parties. Balances cannot be adjusted once submitted however corrective transactions can be entered as adjustments in the following months activity. Assets held outside the custodial bank that are reported to GPA are included in GPA's oversight compliance reporting and strategic plan.

Account Control: GPA does not have the authority to withdraw or deposit funds from or to any client's custodial account. Clients retain responsibility for the deposit and withdrawal of funds to the custodial account. Our clients retain responsibility for their internal accounting policies, implementing and enforcing internal controls and generating ledger entries or otherwise recording transactions.

Custodial Bank Interface: Our contract provides for the ability for GPA to interface into our client's custodial bank to reconcile transactions, maturities and coupon payments. The GPA client portal will be available to all clients to access this information directly at any time.

Market Price: Generally, GPA has set all securities market pricing to match custodial bank pricing. There may be certain securities that will require pricing override due to inaccurate custodial bank pricing that will otherwise distort portfolio performance returns. GPA may utilize Refinitiv pricing source for commercial paper, discount notes and supranational bonds when custodial bank pricing does not reflect current market levels. The pricing variances are obvious when market yields are distorted from the current market levels.

Performance Calculation: Historical returns are presented as time-weighted total return values and are presented gross and net of fees.

Amortized Cost: The original cost on the principal of the security is adjusted for the amount of the periodic reduction of any discount or premium from the purchase date until the date of the report. Discounts or premiums are amortized on a straight-line basis on all securities. This can be changed at the client's request.

Callable Securities: Securities subject to redemption in whole or in part prior to the stated final maturity at the discretion of the security's issuer are referred to as "callable". Certain call dates may not show up on the report if the call date has passed or if the security is continuously callable until maturity date. Bonds purchased at a premium will be amortized to the next call date while all other callable securities will be amortized to maturity. If the bond is amortized to the call date, amortization will be reflected to that date and once the call date passes, the bond will be fully amortized.

Duration: The duration is the effective duration. Duration on callable securities is based on the probability of the security being called given market rates and security characteristics.

Benchmark Duration: The benchmark duration is based on the duration of the stated benchmark that is assigned to each account.

Rating: Information provided for ratings is based upon a good faith inquiry of selected sources, but its accuracy and completeness cannot be guaranteed.

Coupon Payments and Maturities on Weekends: On occasion, coupon payments and maturities occur on a weekend or holiday. GPA's report settings are on the accrual basis so the coupon postings and maturities will be accounted for in the period earned. The bank may be set at a cash basis, which may result in a reconciliation variance.

Cash and Cash Equivalents: GPA has defined cash and cash equivalents to be cash, bank deposits, LGIP pools and repurchase agreements. This may vary from your custodial bank which typically defines cash and equivalents as all securities that mature under 90 days. Check with your custodial bank to understand their methodology.

Account Settings: GPA has the portfolio settings at the lot level, if a security is sold our setting will remove the lowest cost security first. First-in-first-out (FIFO) settings are available at the client's request.

Historical Numbers: Data was transferred from GPA's legacy system, however, variances may exist from the data received due to a change of settings on Clearwater. GPA is utilizing this information for historical return data with the understanding the accrual settings and pricing sources may differ slightly.

Financial Situation: In order to better serve you, GPA should be promptly notified of any material change in your investment objective or financial situation.

No Guarantee: The securities in the portfolio are not guaranteed or otherwise protected by GPA, the FDIC (except for non-negotiable certificates of deposit) or any government agency. Investment in securities involves risks, including the possible loss of the amount invested.



TREASURER'S REPORT OF ACCOUNT BALANCES

10/31/2024

Fund Name	Beginning Balance 01/01/2024	Year to Date Transfers In / Collections	Year to Date Transfers Out	Current Month Transfers In / Collections	Current Month Transfers Out	Ending Balance 10/31/2024
Operating Reserve	\$ 3,943,592					\$ 3,943,592
Operating Fund	\$ 10,181,232	\$ 18,064,388	\$ (16,937,725)	\$ 2,681,212	\$ (1,385,466)	\$ 12,603,641
Rate Stabilization Fund	\$ 1,000,000					\$ 1,000,000
Capital Improvement Reserve	\$ 3,146,633					\$ 3,146,633
Restricted for Debt Service	\$ -					\$ -
Water Supply Reserve	\$ 2,823,173	\$ 200,000				\$ 3,023,173
Water Efficiency Reserve	\$ 200,000					\$ 200,000
Water Meter Replacement Reserve	\$ 1,925,000	\$ 200,000				\$ 2,125,000
Water Main Reserve - Project 2030	\$ 2,521,129	\$ 1,008,762		\$ 147,937		\$ 3,677,828
Fleet Equipment Reserve	\$ 471,395					\$ 471,395
Employment-Related Benefits Reserve	\$ 1,015,536					\$ 1,015,536
	<u>\$ 27,227,690</u>	<u>\$ 19,473,150</u>	<u>\$ (16,937,725)</u>	<u>\$ 2,829,150</u>	<u>\$ (1,385,466)</u>	<u>\$ 31,206,799</u>


ANNIE Y. LIU, Treasurer

TREASURER'S REPORT OF FUND BALANCES
October 31, 2024

Fund Transfers Summary:

Operating Fund:

Fund Collected/Transferred	\$ 2,681,212
Fund Disbursed/Transferred	<u>\$ (1,385,466)</u>
Net Fund Transferred:	\$ (1,295,746)

<u>Water Main Reserve - Project 2030</u>	<u>\$ 147,937</u>
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Citrus Heights Water District
Budget Performance Report
As of 10/31/2024

CC-06

	October Actual	Year-to-Date Actual	Year-to-Date Budget	YTD Variance Amount	Percent of Total Budget	Approved Budget
Revenues						
Metered Service Charges	\$1,391,598.56	\$10,839,664.67	\$9,871,527.87	968,136.80	92%	\$11,845,833.44
Metered Water Deliveries	1,275,427.34	6,426,014.99	\$5,426,119.24	999,895.75	99%	6,511,343.09
Water Main Replacement Revenue	147,937.40	1,156,699.46	1,143,333.33	13,366.13	84%	1,372,000.00
Penalties	12,313.74	169,255.68	57,656.83	111,598.86	245%	69,188.19
Interest	37,251.12	572,528.41	287,283.00	285,245.41	166%	344,739.60
Backflow Fees	10,859.79	74,132.27	46,050.33	28,081.94	134%	55,260.40
Water Service Install & S&R	523.70	39,119.02	8,000.00	31,119.02	407%	9,600.00
Grant Funds **		88,676.21	2,589,166.67	(2,500,490.46)	3%	3,107,000.00
Miscellaneous *	(530.69)	6,473.99	10,657.08	(4,183.09)	51%	12,788.50
Cost Reimbursements	1,326.33	10,029.69	4,750.03	5,279.66	176%	5,700.04
Income - Wheeling Water		55,318.65	60,947.73	(5,629.08)	76%	73,137.28
Income - Connection Fees	40,255.50	207,569.88	107,426.22	100,143.66	161%	128,911.46
Total Revenue	2,916,962.79	19,645,482.92	19,612,918.33	32,564.59	83%	23,535,502.00
Charges & other Miscellaneous Revenue Sources						
**Grant Approved; Pending Draw Down						
Operating Expenses						
Cost of Water						
Purchased Water		2,031,220.33	2,639,583.33	(608,363.00)	64%	3,167,500.00
Ground Water	54,073.98	559,971.08	916,697.50	(356,726.42)	51%	1,100,037.00
	54,073.98	2,591,191.41	3,556,280.83	(965,089.42)	61%	4,267,537.00
Labor & Benefits						
Labor Regular	340,849.56	3,484,690.65	3,616,668.88	(131,978.23)	80%	4,340,002.66
Labor Non-Regular	744.62	3,997.49	500.00	3,497.49	666%	600.00
Labor Taxes	24,780.64	266,568.97	280,142.61	(13,573.64)	79%	336,171.13
Labor Workers Comp	29,652.95	79,245.67	83,416.67	(4,171.00)	79%	100,100.00
Labor External	1,500.00	14,100.00	70,381.67	(56,281.67)	17%	84,458.00
Benefits Med/Den/Vis	53,203.12	567,923.46	596,966.46	(29,043.00)	79%	716,359.75
Benefits LTD/Life/EAP	5,850.41	58,527.25	127,846.49	0.00	38%	153,415.79
Benefits CalPers	34,195.88	333,984.31	390,544.20	(56,559.89)	71%	468,653.04
Benefits Other	9,366.67	140,304.20	151,911.53	(11,607.33)	77%	182,293.83
Capitalized Labor & Benefit Contra	(82,230.77)	(502,880.28)	(416,665.83)	(86,214.45)	101%	(499,999.00)
	423,049.72	5,089,571.57	5,551,208.63	(392,317.82)	76%	6,661,450.36
General & Administrative						
Fees & Charges	15,617.31	156,149.81	155,404.56	745.25	84%	186,485.47
Regulatory Compliance/Permits		94,475.06	205,280.83	(110,805.77)	38%	246,337.00

Citrus Heights Water District
Budget Performance Report
As of 10/31/2024

CC-06

	October Actual	Year-to-Date Actual	Year-to-Date Budget	YTD Variance Amount	Percent of Total Budget	Approved Budget
District Events & Recognition	3,444.55	30,820.11	51,727.50	(20,907.39)	50%	62,073.00
Maintenance/Licensing	5,611.20	216,760.55	177,208.33	39,552.22	102%	212,650.00
Equipment Maintenance	17,793.23	110,508.82	133,500.00	(22,991.18)	69%	160,200.00
Professional Development	4,842.28	77,234.78	144,865.83	(67,631.05)	44%	173,839.00
Dues & Subscriptions	5,135.95	211,778.94	91,647.50	120,131.44	193%	109,977.00
Facility Improvements		600.00	0.00	600.00	-	0.00
Fuel & Oil	8,163.23	63,662.54	74,416.67	(10,754.13)	71%	89,300.00
General Supplies	5,853.02	77,496.89	94,583.33	(17,086.44)	68%	113,500.00
Insurance - Auto/Prop/Liab	33,543.47	149,749.82	102,720.83	47,028.99	121%	123,265.00
Leasing/Equipment Rental	2,887.63	36,984.76	26,166.67	10,818.09	118%	31,400.00
Parts & Materials	32,209.61	575,595.64	150,000.00	425,595.64	320%	180,000.00
Postage/Shipping/Freight	13,163.13	71,764.90	118,668.33	(46,903.43)	50%	142,402.00
Rebates & Incentives	375.00	10,047.04	24,585.00	(14,537.96)	34%	29,502.00
Telecom/Network	7,411.04	53,633.94	53,333.33	300.61	84%	64,000.00
Tools & Equipment	10,249.90	42,722.00	69,291.67	(26,569.67)	51%	83,150.00
Utilities	2,974.54	31,182.30	(82,358.33)	113,540.63	-32%	(98,830.00)
Write-Off Bad Debt Exp		13,988.32	4,166.67	9,821.65	280%	5,000.00
Capitalized G&A Contra	(84,363.40)	(432,069.33)	(166,641.67)	(265,427.66)	216%	(199,970.00)
Capitalized Equipment Contra	(45,260.17)	(368,894.57)	0.00	(368,894.57)	-	0.00
	39,651.52	1,224,192.32	1,428,567.06	(204,374.74)	71%	1,714,280.47
Professional & Contract Services						
Support Services	252,576.51	1,504,522.77	1,710,869.17	(206,346.40)	73%	2,053,043.00
Legal Services	57,845.38	526,141.16	432,502.50	93,638.66	101%	519,003.00
Printing Services	9,776.03	29,492.54	37,500.00	(8,007.46)	66%	45,000.00
	320,197.92	2,060,156.47	2,180,871.67	(120,715.20)	79%	2,617,046.00
Total Operating Expenses	836,973.14	8,373,920.36	12,775,056.67	(4,401,136.31)	55%	15,330,068.00
Net Income / (Expense)	\$ 2,079,989.65	\$11,271,562.56	\$ 6,837,861.67	\$ 4,433,700.89	137%	\$ 8,205,434.00

Citrus Heights Water District
Capital Projects Summary
Fiscal Period End as of 10/2024

Project Number	Project Name	Project Forecast Budget	AMOUNTS PAID			PROJECTION
			Month to Date	Year to Date	Project to Date	Remaining Budget for Total Project
C16-134	Auburn Blvd-Rusch Park Placer	\$538,021	\$27,714	\$37,424	\$46,370	\$491,651
C20-108	Corp Yard PreArchitecture Stdy	\$100,000	\$0	\$0	\$1,676	\$98,324
C20-109	Corp Yard Plans Specs Estimate	\$400,000	\$0	\$0	\$0	\$400,000
C24-003	Fleet & Field Operations Eqpm	\$330,000	\$153,811	\$249,676	\$249,676	\$80,324
C24-004	Technology Hardware & Software	\$55,000	\$0	0	\$0	\$55,000
C24-005	Facilities Improvements	\$108,000	\$0	\$78,099	\$78,099	\$29,901
C24-011	Valve Replacement	\$120,000	\$3,040	\$112,675	\$112,675	\$7,325
C24-012	Water Service Connections	\$1,507,000	\$101,664	\$942,016	\$942,016	\$564,984
C24-013	Water Meter Replacement	\$125,000	\$74,647	\$187,142	\$187,142	(\$62,142)
C24-014	Fire Hydrants-Repl, Upgrades,	\$175,000	\$0	\$131,069	\$131,069	\$43,931
C24-020	Groundwater Well Improvement	\$200,000	\$0	\$0	\$0	\$200,000
C24-101	Minnesota Drive	\$727,000	\$11,752	\$55,137	\$55,137	\$671,863
C24-102	Fair Oaks Blvd at Leafcrest Wy	\$344,000	\$3,568	\$14,111	\$14,111	\$329,889
C24-103	Menke Way	\$103,000	\$0	\$0	\$0	\$103,000
Construction in Progress		\$4,832,021	\$376,196	\$1,807,348	\$1,817,970	\$3,014,051
C15-104B	Document Management System	\$64,639	\$0	\$0	\$179,755	(\$115,116)
C23-003	Fleet/Field Operations Equip	\$300,727	\$0	\$195,978	\$195,978	\$104,749
Fleet and Equipment		\$365,366	\$0	\$195,978	\$375,733	\$1,433,223
C23-040A	City of Citrus Heights Wachtel	\$0	\$0	\$0	\$16,217	(\$16,217)
Water Mains		\$0	\$0	\$0	\$16,217	(\$16,217)
C22-040E	San Juan Ave Complete Streets	\$0	\$0	\$5,549	\$5,549	(\$5,549)
C23-040	Other City Partnerships	\$100,000	\$0	\$0	\$0	\$100,000
C23-041	Misc Infrastructure Projects	\$100,000	\$0	\$1,245	\$1,245	\$98,755
C23-104	Patton/Pardal/Alondra/Perdez	\$1,010,000	\$41,278	\$748,422	\$748,422	\$261,578
C23-105	Reno Lane 8-inch	\$0	\$0	\$186,002	\$154,944	(\$154,944)
C23-106	Admiral & Anchor 8-inch	\$897,819	\$0	\$799,209	\$851,585	\$46,234
C24-010	Annual Water Main Pipeline Rep	\$51,500	\$0	\$0	\$0	\$51,500
Miscellaneous Projects		\$2,159,319	\$41,278	\$1,740,426	\$1,761,744	\$397,575
C20-107	Well #7 Ella	\$4,442,536	\$11	\$200,195	\$1,432,780	\$3,009,756
C23-020	Groundwater Well Improvements	\$100,000	\$0	\$49,760	\$49,760	\$50,240
C23-103	Highland Well #8	\$1,900,000	\$0	\$35,041	\$36,979	\$1,863,021
Wells		\$6,442,536	\$11	\$284,996	\$1,519,519	\$4,923,017
Grand Totals		\$13,799,242	\$417,484	\$4,028,748	\$4,358,005	\$9,751,650

OCTOBER 2024 WARRANTS

<u>CHECK</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
78646	MATHEW M OR BRETT W BALL	Customer Refund	\$20.35
78647	LANCE M DUARTE	Customer Refund	\$40.45
78648	KIMBERLY J MATTILA OR KEVIN A KRANJACK	Customer Refund	\$121.78
78649	VIRGINIA OLSEN	Customer Refund	\$98.50
78650	ASHLEY S BLOOM	Customer Refund	\$48.49
78651	MATTHEW E ESPINO	Customer Refund	\$42.19
78652	SITEONE LANDSCAPE SUPPLY LLC	Supplies-Field	\$28.61
78653	ACWA JPIA	Workers Comp Insurance	\$109.12
78654	AIA SERVICES LLC	Contract Services-Other	\$639.94
78655	AREA PORTABLE SERVICES	Equipment Rental-Field	\$116.68
78656	CALIFORNIA NEVADA SECTION AWWA	Dues & Subscriptions	\$125.00
78657	BENDER ROSENTHAL INCORPORATED	Contract Services- Engineering	\$11,311.50
78658	CORNING FORD INC	Fixed Assets	\$95,865.58
78659	COVINO SMITH AND SIMON	Contract Services-Miscellaneous	\$1,666.67
78660	COUNTY OF SACRAMENTO	Permit Fees	\$1,236.00
78661	EVERBANK NA	Equipment Rental-Office	\$522.59
78662	TAMMY GORDON	Professional Development	\$15,000.00
78663	INTEGRITY ADMINISTRATORS INC	Health Insurance	\$249.05
78664	J COMM INC	Contract Services-Other	\$1,810.00
78665	LSL CPAS	Contract Services-Financial	\$11,450.00
78666	MASON SMITH SUCCESS STRATEGIES	Contract Services-Other	\$18,000.00
78667	MESSENGER PUBLISHING GROUP	Publication Notices	\$225.00
78668	MMANC	Dues & Subscriptions	\$95.00
78669	MOONLIGHT BPO LLC	Contract Services -Bill Print/Mail	\$6,866.73
78670	NAPA AUTO PARTS	Repair-Equipment	\$86.20
78671	NINJIO LLC	Dues & Subscriptions	\$1,950.00
78672	NOWSPEED INC	Contract Services-Other	\$250.00
78673	PACE SUPPLY CORP	Material	\$9,235.66
78674	RENTAL GUYS	Equipment Rental-Field	\$37.34
78675	REPUBLIC SERVICES 922	Utilities	\$320.86
78676	ROAD TECH SAFETY SERVICES INC	Contract Services-Other	\$3,988.75
78677	SAGENT	Contract Services- Other	\$8,239.73
78678	JUMA ALI SHAFaq	Professional Development	\$151.04
78679	SMUD	Utilities	\$14,286.63
78680	SONITROL	Equipment Rental-Office	\$212.64
78681	SONSRAY MACHINERY LLC	Repair-Equipment	\$4,362.24
78682	STILL SMOKIN BBQ AND CATERING	Contract Services-Other	\$1,142.40
78683	HILARY STRAUS	Professional Development	\$798.99
78684	STATE WATER RESOURCES CONTROL BOARD	Professional Development	\$130.00
78685	T MOBILE	Telephone-Wireless	\$1,321.97
78686	TEE JANITORIAL MAINTENANCE	Janitorial	\$2,989.00
78687	HENLEY PACIFIC LA LLC	Repair-Equipment	\$157.93
78688	WOLF CONSULTING	Contract Services-Other	\$5,375.00

OCTOBER 2024 WARRANTS

<u>CHECK</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
78689	ZANE DEZIGN	Tools/ Equipment	\$787.20
78690	PATTI OR BRIAN W LEWIS	Customer Refund	\$15.54
78691	DENNIS OR DOROTHY MC CARTHY	Customer Refund	\$230.00
78692	YELENA OR VLADIMIR A KOTSYUBCHUK	Customer Refund	\$556.93
78693	TYSON W RAPPEYE	Customer Refund	\$298.43
78694	DAVID OR CYNTHIA E MARKS	Customer Refund	\$24.51
78695	GEORGE STUTES LIVING TRUST	Customer Refund	\$12.64
78696	ZENU F SARCA DI	Customer Refund	\$275.50
78697	R C CONSULTING INC	Customer Refund	\$5.65
78698	AKS Equities Inc	Customer Refund	\$17.47
78699	HILLARY L KOPPEL	Customer Refund	\$8.63
78700	DAVID MAMCHITS	Customer Refund	\$314.96
78701	JPB DESIGNS	Customer Refund	\$1,472.31
78702	AFLAC	Employee Paid Insurance	\$249.53
78703	ANSWERNET	Telephone-Answering Service	\$343.43
78704	AUL HEALTH BENEFIT TRUST MIDAMERICA	Health Insurance	\$196.38
78705	BEST BEST AND KRIEGER	Legal & Audit	\$13,888.66
78706	BRUTONS GLASS CO	Repair-Trucks	\$425.00
78707	COLANTUONO HIGHSMITH WHATLEY PC	Legal & Audit	\$8,397.80
78708	ROBIN COPE	Retiree Insurance	\$520.00
78709	CORELOGIC INFORMATION SOLUTIONS INC	Dues & Subscriptions	\$231.85
78710	CRISPIMAGING	Contract Services-Engineering	\$10.88
78711	COUNTY OF SACRAMENTO CLERK	Publication Notices	\$50.00
78712	COUNTY OF SACRAMENTO	Permit Fees	\$2,879.00
78713	SACRAMENTO COUNTY DEPT OF FINANCE	Utilities	\$170.90
78714	SACRAMENTO COUNTY UTILITIES	Utilities	\$211.84
78715	FLOWLINE CONTRACTORS INC	Contract Services-Engineering	\$36,269.90
78716	ERNESTINE FREEMAN	Retiree Insurance	\$174.70
78717	GOOD LIFE INSPECTIONS	Contract Services-Other	\$250.00
78718	J4 SYSTEMS	Contract Services-Other	\$5,720.00
78719	KASL CONSULTING ENGINEERS	Contract Services- Engineering	\$387.00
78720	KEI WINDOW CLEANING 12	Janitorial	\$120.00
78721	MARY LYNN SCHERRER	Retiree Insurance	\$174.70
78722	TAK COMMUNICATIONS	Contract Services- Engineering	\$4,750.00
78723	MELINDA M TUPPER	Retiree Insurance	\$520.00
78724	WARREN CONSULTING ENGINEERS INC	Contract Services-Engineering	\$12,750.00
78725	WEST YOST ASSOCIATES	Contract Services-Engineering	\$13,801.75
78726	WEX BANK	Gas & Oil	\$3,825.05
78727	WYJO SERVICES CORP	Repair-Trucks	\$225.00
78728	YOUNGDAHL CONSULTING GROUP	Contract Services-Other	\$4,100.00
78729	PINGHAM ZHONG	Toilet Rebate Program	\$150.00
78730	MARIYA MARCHENKOVA	Customer Refund	\$12.74
78731	PETER WOODSON	Customer Refund	\$41.30
78732	AMERA AL FALEH	Customer Refund	\$436.95

OCTOBER 2024 WARRANTS

<u>CHECK</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
78733	ANDREW OR KATY M CUTLIP	Customer Refund	\$122.52
78734	AREA WEST ENGINEERS INC	Contract Services-Engineering	\$455.00
78735	Jodi Ash	Contract Servicesw-Other	\$50.00
78736	BEST BEST AND KRIEGER	Legal & Audit	\$17,736.00
78737	JULIE BEYERS	Contract Services-Other	\$50.00
78738	BSK ASSOCIATES	Water Analysis	\$2,576.97
78739	CALIFORNIA LANDSCAPE ASSOCIATES INC	Janitorial	\$245.00
78740	NANETTE WHEELER CARTER	Contract Services-Other	\$50.00
78741	CTY OF SAC DEPT OF FINANCE	Contract Services-Miscellaneous	\$224.65
78742	PAUL DIETRICH	Contract Services-Other	\$25.00
78743	KELLY R DRAKE	Professional Development	\$260.00
78744	JULIA EUNICE	Contract Services-Other	\$25.00
78745	FUTURE FORD	Repair-Trucks	\$68.96
78746	GLOBAL MACHINERY WEST	Repair-Equipment	\$1,944.57
78747	FERGUSON ENTERPRISES INC 1423	Material	\$7,927.98
78748	HUNT AND SONS INC	Gas & Oil	\$1,977.07
78749	IB CONSULTING LLC	Consulting Services	\$21,668.54
78750	INDOOR ENVIRONMENTAL SERVICES	Maintenance Agreement-Equipment	\$3,719.82
78751	J COMM INC	Contract Services-Other	\$2,500.00
78752	J4 SYSTEMS	Contract Services-Other	\$1,015.00
78753	KENNETH OR TOME LAMB	Toilet Rebate Program	\$75.00
78754	ERIC LINDBERG	Contract Services-Other	\$50.00
78755	LOWES	Supplies-Field	\$447.92
78756	NAPA AUTO PARTS	Repair-Equipment	\$147.82
78757	MICHAEL NISHIMURA	Contract Services-Other	\$50.00
78758	JACE A NUNES	Contract Services-Miscellaneous	\$63.09
78759	PACIFIC GAS AND ELECTRIC	Utilities	\$17.30
78760	Print Project Management	Contract Services-Printing Services	\$207.83
78761	REGIONAL GOVERNMENT SERVICES	Consulting Services	\$15,418.73
78762	RYON RIDNER	Contract Services-Miscellaneous	\$45.00
78763	SHRED CITY	Contract Services-Other	\$63.72
78764	A TEICHERT AND SON INC	Road Base	\$6,247.16
78765	ALAN UTZIG	Contract Services-Other	\$50.00
78766	HENLEY PACIFIC LA LLC	Repair-Equipment	\$169.70
78767	WATER SYSTEMS CONSULTING INC	Contract Services-Other	\$9,801.57
78768	MICHAEL WORTHINGTON	Toilet Rebate Program	\$75.00
78769	WYJO SERVICES CORP	Repair-Trucks	\$75.00
78770	ZANE DEZIGN	Contract Services-Other	\$489.06
78771	MARK ATKINS	Customer Refund	\$9.75
78772	ELAINE MORGAN	Customer Refund	\$152.61
78773	CHARLENE RILEY	Customer Refund	\$26.47
78774	MARY ROCK BOWLAND	Customer Refund	\$359.56
78775	KRISTIN OR GARY M ENYART	Customer Refund	\$15.52
78776	KATHLENE A OR JOE H DUNLAP	Customer Refund	\$157.83
78777	CHRISTOPHER OR SUSANNA HARRISON	Customer Refund	\$265.71
78778	JAMES VAN WINKLE	Customer Refund	\$151.61
78779	JUDY L GUESS	Customer Refund	\$29.46

OCTOBER 2024 WARRANTS

<u>CHECK</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
78780	SHAINA CLINTON	Customer Refund	\$200.09
78781	GIONELLI M OR JUAN O LOPEZ	Customer Refund	\$160.33
78782	GEORGE REED INC	Customer Refund	\$843.20
78783	ALEXANDERS CONTRACT SERVICES	Contract Services-Meter Read	\$8,607.97
78784	BEST BEST AND KRIEGER	Legal & Audit	\$26,866.45
78785	BLUE JAY TRUCKING INC	Contract Services-Other	\$1,934.63
78786	SCOTT CLARK	Toilet Rebate Program	\$75.00
78787	COMCAST	Equipment Rental-Office	\$106.68
78788	CONSOLIDATED	Telephone-Local/Long Distance	\$3,189.29
78789	CRISPIMAGING	Contract Services-Engineering	\$28.29
78790	EDELSTEIN GILBERT ROBSON AND SMITH LLC	Contract Services-Financial	\$5,833.33
78791	FAST ACTION PEST CONTROL	Contract Services-Miscellaneous	\$184.80
78792	GRAINGER	Small Tools	\$147.80
78793	ICMA MEMBERSHIP RENEWALS	Dues & Subscriptions	\$1,200.00
78794	INDOOR ENVIRONMENTAL SERVICES	Maintenance Agreement-Equipment	\$1,992.81
78795	INNOVYZE INC	Maintenance Agreement-Software	\$11,397.59
78796	J4 SYSTEMS	Contract Services-Other	\$3,330.00
78797	NATIONAL TRENCH SAFETY	Equipment Rental-Field	\$230.00
78798	NINJO LLC	Dues & Subscriptions	\$130.00
78799	PACE SUPPLY CORP	Material	\$8,705.40
78800	QUICK QUACK CAR WASH	Maintenance Agreement-Equipment	\$380.00
78801	RED WING SHOE STORE	Tools/ Equipment	\$547.27
78802	RIVER CITY FIRE EQUIPMENT	Contract Services-Other	\$1,510.13
78803	LES SCHWAB TIRES	Repair-Trucks	\$280.41
78804	REBECCA SCOTT	Professional Development	\$185.00
78805	SECURITY CONTRACTOR SERVICES	Equipment Rental-Field	\$400.00
78806	SONSRAY MACHINERY LLC	Repair-Equipment	\$4,462.67
78807	A TEICHERT AND SON INC	Road Base	\$749.47
78808	ULINE	Supplies-Field	\$940.29
78809	WALKERS OFFICE SUPPLIES	Office Expense	\$124.30
78810	WATERWISE CONSULTING INC	Contract Services- Conservation	\$150.00
78811	COLLEEN M FEASTER	Customer Refund	\$22.27
78812	KEVIN OR PAMELA T DAWES	Customer Refund	\$40.61
78813	SUSAN H PAUL LVNG TRUST	Customer Refund	\$197.14
78814	JOSEPHINE P WADSWORTH REVC TRUST	Customer Refund	\$179.03
78815	SAKAMOTO FAMILY LIVING TRUST	Customer Refund	\$207.26
78816	LISA GENTRY	Customer Refund	\$46.40
78817	RICHARD A MEREDITH	Customer Refund	\$81.60
78818	JAMES OR KELLY BADEKER	Customer Refund	\$124.43
78819	CUSTOM GRADING	Customer Refund	\$1,756.07
78820	PAULETTE L WALTON	Customer Refund	\$13.31
78821	CHARLENE NISHIMURA	Customer Refund	\$8.03
78822	19SIX ARCHITECTS	Contract Services-Other	\$69,902.10
78823	ACWA JPIA	Workers Comp Insurance	\$29,652.95
78824	AFMAN SUPPLY	Tools/ Equipment	\$210.47
78825	AREA PORTABLE SERVICES	Equipment Rental-Field	\$116.68
78826	BSK ASSOCIATES	Water Analysis	\$869.20

OCTOBER 2024 WARRANTS

<u>CHECK</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
78827	CITRUS HEIGHTS SAW AND MOWER	Repair-Equipment	\$10.75
78828	CORE AND MAIN LP	Material	\$1,732.61
78829	CSDA	Dues & Subscriptions	\$9,627.00
78830	COUNTY OF SACRAMENTO	Permit Fees	\$300.00
78831	EVERBANK NA	Equipment Rental-Office	\$522.59
78832	FP MAILING SOLUTIONS	Equipment Rental-Office	\$196.60
78833	TAMMY GORDON	Professional Development	\$65.00
78834	GOVERNMENT PORTFOLIO ADVISORS	Contract Services-Financial	\$1,349.70
78835	FERGUSON ENTERPRISES INC 1423	Material	\$3,895.15
78836	INDEPENDENT BUSINESS FORMS INC	Printing Services	\$220.62
78837	J COMM INC	Contract Services-Other	\$8,400.00
78838	J4 SYSTEMS	Contract Services-Other	\$5,430.00
78839	KASL CONSULTING ENGINEERS	Contract Services-Engineering	\$13,386.00
78840	CHERYL BUCKWALTER LANDSCAPE LIAISONS	Contract Services-Miscellaneous	\$2,500.00
78841	JENNIFER LIEBERMANN CONSULTING	Contract Services-Other	\$7,345.72
78842	LIEBERT CASSIDY WHITMORE	Legal & Audit	\$2,260.00
78843	MACQUARIE EQUIPMENT CAPITAL INC	Equipment Rental-Office	\$376.97
78844	MCCAMPBELL ANALYTICAL, INC	Wells Maintenance	\$960.00
78845	MOONLIGHT BPO LLC	Contract Services-Bill Print/Mail	\$6,457.68
78846	NATIONAL TRENCH SAFETY	Equipment Rental-Field	\$2,238.47
78847	JACE A NUNES	Contract Services-Other	\$108.09
78848	PACE SUPPLY CORP	Material	\$2,951.84
78849	PAT WEST LLC	Contract Services-Other	\$2,887.50
78850	RED WING SHOE STORE	Tools/ Equipment	\$247.26
78851	REGIONAL GOVERNMENT SERVICES	Consulting Services	\$430.92
78852	RYON RIDNER	Contract Services-Other	\$90.00
78853	RIVERVIEW INTERNATIONAL TRUCKS LLC	Fixed Assets	\$153,810.71
78854	SAGENT	Contract Services-Other	\$12,371.43
78855	LES SCHWAB TIRES	Repair-Trucks	\$38.69
78856	SMUD	Utilities	\$14,191.48
78857	SONSRAY MACHINERY LLC	Repair-Equipment	\$146,621.82
78858	STATE WATER RESOURCES CONTROL BOARD	Professional Development	\$60.00
78859	T MOBILE	Telephone-Wireless	\$1,283.70
78860	HENLEY PACIFIC LA LLC	Repair-Equipment	\$91.26
78861	VERIZON WIRELESS	Telephone-Wireless	\$562.05
78862	WALKERS OFFICE SUPPLIES	Office Expense	\$154.42
78863	WARREN CONSULTING ENGINEERS INC	Contract Services-Engineering	\$3,250.00
Total			\$1,028,081.02
ACH	1168-2024-9 INVOICE CLOUD	Bank Fee	\$6,910.69
ACH	ADP 672642640	Contract Services-Financial	\$603.45
ACH	ADP 671787444	Contract Services-Financial	\$424.80
ACH	ADP 673185086	Contract Services-Financial	\$84.24
ACH	BMO SEPTEMBER 2024	Bank Fee	\$1,505.44
ACH	CALIFORNIA CHOICE NOVEMBER 2024	Health Insurance	\$59,047.68
ACH	CHASE BANK SEPTEMBER 2024	Bank Fee	\$6,300.25
ACH	ICMA 10/10/2024 PAYDAY	Deferred Compensation	\$13,866.58
ACH	ICMA 10/24/2024 PAYDAY	Deferred Compensation	\$13,694.09
ACH	JP MORGAN SEPTEMBER 2024	See October Agenda Item CC-9	\$16,955.71

OCTOBER 2024 WARRANTS

<u>CHECK</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
ACH	JP MORGAN SEPTEMBER 2024	See October Agenda Item CC-9	\$3,211.95
ACH	MID AMERICA 9/24/2024-9/30/2024	Employee Paid Insurance	\$1,040.00
ACH	PERS 10/10/2024 PAYDAY	PERS	\$31,634.54
ACH	PERS 9/26/2024 PAYDAY	PERS	\$31,634.54
ACH	PRINCIPAL NOVEMBER 2024	Health Insurance	\$12,065.39
ACH	VALIC 10/10/2024 PAYDAY	Deferred Compensation	\$2,810.10
ACH	VALIC 10/24/2024 PAYDAY	Deferred Compensation	\$2,810.10
Total			<u>\$204,599.55</u>
Grand Total			<u><u>\$1,232,680.57</u></u>

JP Morgan Purchase Card Distributions
Oct-24

Name	General Supplies	District Events & Recognition	Fees & Charges	Tools & Equipment	Equipment Maintenance	Dues & Subscription	Professional Development	CIP	Printing Services	Support Services	Prepaid	Total Bill
Shepard	\$ 43.61	\$ 660.71				\$ 2.95						\$ 707.27
Shockley	\$ 6,272.65	\$ 2,045.47	\$ 30.00	\$ 645.82	\$ 44.28	\$ 753.06	\$ 2,751.78				\$ 1,084.96	\$ 13,628.02
Pieri			\$ 105.00									\$ 105.00
Tran				\$ (731.00)		\$ 73.75					\$ 134.60	\$ (522.65)
Spiers					\$ 1,730.36					\$ 225.00		\$ 1,955.36
Nunes	\$ 85.88											\$ 85.88
Liu		\$ 302.00				\$ 444.99						\$ 746.99
Moore		\$ 618.62				\$ 35.00			\$ 889.00			\$ 1,542.62
Gordon						\$ 375.00						\$ 375.00
Straus								\$ 15.00				\$ 15.00
Total Bill	\$ 6,402.14	\$ 3,626.80	\$ 135.00	\$ (85.18)	\$ 1,774.64	\$ 1,684.75	\$ 2,751.78	\$ 15.00	\$ 889.00	\$ 225.00	\$ 1,219.56	\$ 18,638.49

CITRUS HEIGHTS WATER DISTRICT

DISTRICT STAFF REPORT TO BOARD OF DIRECTORS NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT : EMPLOYEE RECOGNITION
 STATUS : Information Item
 REPORT DATE : November 4, 2024
 PREPARED BY : Brittney Moore, Administrative Services Manager/Chief Board Clerk
 Kayleigh Shepard, Management Analyst/Deputy Board Clerk

The following District employees were recognized for perfect attendance, outstanding customer service, and quality of work during the month of October 2024.

Administrative Services

<u>Name</u>	<u>Attendance</u>	<u>Customer Service</u>	<u>Work Quality</u>
Brittney Moore	Yes		
Viviana Munoz	Yes		
Kayleigh Shepard	Yes		Presented at the 10/1/24 Customer Advisory Committee (CAC) Orientation. Provided an AV/Equipment set up tutorial to presenters for the District's budget roadshow, and assisted with AV logistics at the 10/23/24 presentation to the Soroptimist club of Citrus Heights.
Beth Shockley	Yes		
Mike Shorter			Presented at the 10/8/24 CAC meeting.
Desiree Smith	Yes		
Andrew Tran	Yes		

Engineering Department

<u>Name</u>	<u>Attendance</u>	<u>Customer Service</u>	<u>Work Quality</u>
Tamar Dawson		Worked on Friday 10/11/24 to coordinate inspection for the offsite option of the Corporation Yard Options Analysis Project	
Todd Jordan			Coordinated the proposal review and presented at the October Board meeting related to the Award of Contract for the District's Water System Master Plan.
Tim Katkanov	Yes	On 10/16 and 10/17/24, provided inspection on the Auburn Boulevard Complete Streets Project (ABCS), and worked after hours to address a leak that occurred as part of the ABCS Project. On 10/28/24, provided excellent language translation with the District's roofing contractor.	
Ali Shafaq	Yes	On 10/17/24, provided inspection on the ABCS Project, and worked after hours to address a leak that occurred as part of the ABCS Project.	Coordinated the proposal review and presented at the October Board meeting related to the Award of Contract for the District's Water System Master Plan.
Neil Tamagni		Worked beyond normal work hours on 10/01/24, 10/02/24 and 10/15/24 on the ABCS Project.	

Operations Department

<u>Name</u>	<u>Attendance</u>	<u>Customer Service</u>	<u>Work Quality</u>
Jose Calvillo		<p>10/24 – A customer on Kifisia Way called to compliment the crew working on a long side service replacement and register change-out at his property. He stated the team did a wonderful job ensuring that his landscaping was not disturbed as they completed the work, and he was extremely pleased and appreciative of their service.</p> <p>10/19 – Assisted with the District’s information booth at the Citrus Heights Harvest Festival.</p>	
James Ferro		<p>10/2 – Customer on Beckwith Way called and expressed his gratitude for the outstanding communication he received during scheduled water outages.</p> <p>10/24 – A customer on Kifisia Way called to compliment the crew working on a long side service replacement and register change-out at his property. He stated the team did a wonderful job ensuring that his landscaping was not disturbed as they completed the work, and he was extremely pleased and appreciative of their service.</p>	10/1 – Assisted with a main line valve leak on Auburn Boulevard.
Jarrett Flink			10/1 – Assisted with a main line valve leak on Auburn Boulevard.
Kelly Drake	Yes		

<u>Name</u>	<u>Attendance</u>	<u>Customer Service</u>	<u>Work Quality</u>
Brandon Goad		10/2 – Customer on Beckwith Way called and expressed his gratitude for the outstanding communication he received during scheduled water outages.	
Brian Hensley	Yes		Completed review of every street segment in the District to verify service line materials to comply with the Federal Lead/Copper Rule. This involved cross-referencing as-builts with additional historical documents and required thorough attention to detail and institutional knowledge
Ricky Kelley		10/19 – Represented the District by walking in the Citrus Heights “Howl-O-Ween” Parade. 10/24 – The customer on Kifisia Way called to compliment the crew working on a long side service replacement and register change-out at his property. He stated the team did a wonderful job ensuring that his landscaping was not disturbed as they completed the work, and he was extremely pleased and appreciative of their service.	

<u>Name</u>	<u>Attendance</u>	<u>Customer Service</u>	<u>Work Quality</u>
Mike Mariedth	Yes	<p>10/17 – A customer on South View Court called to compliment Mike for going above and beyond to assist her. The customer had no water at her property and explained that she is elderly. Mike not only assisted her with restoring water to her property, but showed concern for her health and confirmed she was okay. She very much appreciated his friendly demeanor and kindness.</p> <p>10/24 – The customer on Kifisia Way called to compliment the crew working on a long side service replacement and register change-out at his property. He stated the team did a wonderful job ensuring that his landscaping was not disturbed as they completed the work, and he was extremely pleased and appreciative of their service.</p>	<p>10/2 - Rob Greenfield, General Counsel for the District’s insurance risk pool presented a training for all staff. Mr. Greenfield stated that he appreciated Mike’s presence at the training. His attentiveness and participation, along with his upbeat personality added a lot of value and may have helped others buy into the material. Mr. Greenfield could see that Mike was a good leader that staff listen to and respects.</p>
Chris Nichols	Yes		<p>Completed review of every street segment in the District to verify service line materials to comply with the Federal Lead/Copper Rule. This involved cross-referencing as-builts with additional historical documents and required thorough attention to detail and institutional knowledge.</p>
Jace Nunes		<p>Assisted Admin staff with set up for the employee appreciation luncheon.</p> <p>10/19 – Staffed the District’s information booth at the Citrus Heights Harvest Festival.</p>	

<u>Name</u>	<u>Attendance</u>	<u>Customer Service</u>	<u>Work Quality</u>
Ryon Ridner		10/2 – Customer on Beckwith Way called and expressed his gratitude for the outstanding communication he received during scheduled water outages. 10/19 – Staffed the District’s information booth at the Citrus Heights Harvest Festival.	
John Spinella	Yes		

CITRUS HEIGHTS WATER DISTRICT
DISTRICT STAFF REPORT TO BOARD OF DIRECTORS
NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT : LONG RANGE AGENDA
STATUS : Consent/Information Item
REPORT DATE : November 13, 2024
PREPARED BY : Brittney Moore, Administrative Services Manager/Chief Board Clerk

OBJECTIVE: Listed below is the current Long Range Agenda.				Legend	
				S	Study Session
				CC	Consent Calendar
				P	Presentation
				B	Business
				PH	Public Hearing
				CL	Closed Session
CITRUS HEIGHTS WATER DISTRICT LONG RANGE AGENDA					
MEETING DATE	MEETING TYPE	ITEM DESCRIPTION	ASSIGNED	AGENDA TYPE	AGENDA ITEM
December 16, 2024					
December 16, 2024	Annual	Committee Assignments	Moore	B	A
December 16, 2024	Annual	District Officers	Moore	B	A
December 16, 2024	Annual	Selection of President and Vice President	Moore	B	A
January 28, 2025					
January 28, 2025		Strategic Plan Update/2025 Strategic Plan Preview	Moore	SS	I/D
February 18, 2025					
February 18, 2025	Annual	Investment Portfolio Update	Liu	CC	A
March 25, 2025					
March 25, 2025	Annual	Poster Contest Presentation	Nunes	P	I/D
April 22, 2025					
April 22, 2025		2025 Strategic Plan Update	Moore	SS	I/D
April 22, 2025		Backflow Resolution	Scott	B	A
May 27, 2025					
May 27, 2025		Annual Financial Report	Liu	CC	A
June 24, 2025					
June 24, 2025		Finance Corporation Officer Appointment and Status of Financing Corporation	Liu	B	A
June 24, 2025	Every 3 Years	Public Health Goals	Hensley	B	A

CITRUS HEIGHTS WATER DISTRICT

DISTRICT STAFF REPORT TO BOARD OF DIRECTORS NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT : ENGINEERING DEPARTMENT REPORT
 STATUS : Information Item
 REPORT DATE : November 6, 2024
 PREPARED BY : Missy Pieri, Director of Engineering/District Engineer

Significant assignments and activities for the Engineering Department are summarized below. I will be available at the meeting to answer questions and/or provide additional details.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
PROJECT 2030 Water Main Replacement Project - Pipeline Condition Assessment	Engineering	Director of Engineering, Principal Civil Engineer, Management Analyst	Yes, updates as necessary.	Yes	Pipeline Condition Assessment	Segment 1 (42- inch): External Corrosion Direct Assessment in progress. Pipeline Condition Assessment Protocol in process. Staff-level quarterly update meeting held on 10/01/24. Next quarterly update meeting on 01/09/25.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
DISTRICT ENGINEERING STANDARDS	Engineering	Director of Engineering, Engineering and Operations Department	Yes, updates as necessary	No	Develop Engineering Standards for Private Development Projects	Staff reviewing draft standards. Anticipate presentation to Board in Q1 2025.
DISTRICT POLICY UPDATE & DEVELOPMENT (ENGINEERING RELATED)	Engineering	Director of Engineering, Engineering and Operations Department	Yes, updates as necessary	No	Develop and update District Policies that relate to Engineering/Development Projects	Policies 5000 and 7000 Series updated. Anticipate presentation to Board in Q1 2025.
DISTRICT WATER SYSTEM MASTER PLAN	Engineering	Director of Engineering, Principal Civil Engineer, Associate Civil Engineer	Yes, 10/22/24 (Award of Contract)	No	Update to the District's Existing Water System Master Plan	Award of Contract occurred at 10/22/24 Board Meeting. Kick-off meeting to occur in November 2024.
District-wide Easement Project (Phase 4)	Engineering	Director of Engineering and Assistant Engineer	Yes, updates as necessary.	Yes	Obtaining easements for District-owned facilities.	Group 3 Easements in progress. Group 4 Easements in progress. Group 5 Easement complete.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
CAPITAL IMPROVEMENT PROJECT Corporation Yard / Facilities Buildout	Engineering	Director of Engineering, Principal Civil Engineer, Management Analyst, Technical Advisory Committee	Yes, 07/17/19 (Award of Contract)	Yes	Program for office space requirements through 2045.	Building layout options and report being prepared. Anticipate presentation to the Board in January 2025.
CAPITAL IMPROVEMENT PROJECT - Admiral Ave and Anchor Cir Water Main Project	Engineering	Director of Engineering and Assistant Engineer	Yes, 04/23/24 (Award of Contract)	No	2023 design, 2024 construction	Construction 100% complete. Notice of Completion being prepared for notarization. Project closeout in progress.
CAPITAL IMPROVEMENT PROJECT - Minnesota Dr Water Main Project	Engineering	Director of Engineering and Assistant Engineer	Yes, 11/18/24 (Possible Award of Contract)	No	2024 design, 2024 construction	Release Bid on 10/10/24. Anticipate Award of Contract at 11/18/24 Board Meeting.
CAPITAL IMPROVEMENT PROJECT - Fair Oaks Blvd to Leafcrest Water Main Project	Engineering	Director of Engineering and Assistant Engineer	Yes, TBD	No	2024 design, 2024/25 construction	District preparing 60% plans. Potholing to be completed in Fall 2024.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
PRIVATE DEVELOPMENT 8043 Holly Dr Parcel Split 1 - 3	Engineering	Director of Engineering and Assistant Engineer	No	No	Parcel being split into 3 for 3 home subdivision.	Plan check fees paid 04/13/21. Plans resigned 05/06/24. Awaiting payment of fee balance.
PRIVATE DEVELOPMENT 6031 Sunrise Vista Dr Apartments	Engineering	Director of Engineering and Associate Civil Engineer	No	No	Proposed apartments.	All fees paid. Plans signed on 08/28/23. Awaiting construction.
PRIVATE DEVELOPMENT Talbot Way Citrus Place Subdivision	Engineering	Director of Engineering and Assistant Engineer	No	No	8 lot subdivision.	Plan check fees paid 6/2022. Plans signed on 6/21/22. Awaiting payment of fee balance and construction.
PRIVATE DEVELOPMENT 7975 Twin Oaks Ave Parcel Split 1 - 3	Engineering	Director of Engineering and Associate Engineer	No	No	Parcel Split - 1 to 3 lot split; 3 single family homes with frontage improvements.	All comments incorporated. Awaiting payment of fees.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
PRIVATE DEVELOPMENT 7501 Greenglen Ave Parcel Split 1 - 2	Engineering	Director of Engineering and Assistant Engineer	No	No	Parcel Split - 1 to 2 lot split per SB9; 2 single family homes.	Plan check fees paid. Plans signed on 08/09/23. Awaiting payment of fee balance. CHWD to provide installation of water facilities.
PRIVATE DEVELOPMENT 7828 Old Auburn Blvd Parcel Split 1 - 4	Engineering	Director of Engineering and Associate Engineer	No	No	Parcel Split - 1 parcel to 4 parcels.	Received Project Review Request from City on 10/12/23. District provided a Will Serve letter on 10/19/23.
PRIVATE DEVELOPMENT 7401 Mariposa Ave Parcel Split 1 - 2	Engineering	Director of Engineering and Associate Engineer	No	No	Parcel Split - 1 parcel to 2 parcels.	Parcel split approved by the City. Awaiting improvement plans from developer.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
PRIVATE DEVELOPMENT 7939 Hanson Dr Parcel Split 1 - 2	Engineering	Director of Engineering and Associate Engineer	No	No	Parcel Split - 1 parcel to 2 parcels.	Received plans on 02/28/24. District provided plan review comments on 03/04/24
PRIVATE DEVELOPMENT 7509 Twin Oaks Ave Food Truck Plaza	Engineering	Director of Engineering and Associate Engineer	No	No	Existing vacant site (with existing water service) to be used for a Food Truck Plaza.	Received Project Review Request from City on 11/20/23. District provided a Will Serve letter on 11/28/23.
PRIVATE DEVELOPMENT 7727 Wachtel Ave Parcel Split 1 - 2	Engineering	Director of Engineering and Associate Engineer	No	No	Parcel Split - 1 parcel to 2 parcels.	Received Project Review Request from City on 11/28/23. District provided plan review comments on 11/29/23.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
PRIVATE DEVELOPMENT 8461 Olivine Ave Accessory Dwelling Unit	Engineering	Director of Engineering and Associate Engineer	No	No	Accessory Dwelling Unit	Received Project Review Request from City on 12/05/23. District provided a Will Serve letter on 12/07/23.
PRIVATE DEVELOPMENT 5740 San Juan Ave Parcel Split 1 - 4	Engineering	Director of Engineering and Associate Engineer	No	No	Parcel Split 1 parcel to 4 parcels.	Parcel split approved by the City. Awaiting improvement plans from developer.
PRIVATE DEVELOPMENT 8540 Auburn Blvd Starbucks	Engineering	Director of Engineering and Associate Engineer	No	No	New commercial development.	District provided a Will Serve letter on 04/27/22. Work being incorporated into City's Auburn Blvd - Complete Streets Phase 2 project.
PRIVATE DEVELOPMENT 8425 Harper Way New Single Family Dwelling Unit	Engineering	Director of Engineering and Associate Engineer	No	No	New Single Family Dwelling Unit with a 1" water service.	Owner paid all fees and deposit on 07/31/24. Awaiting construction.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
CITY OF CITRUS HEIGHTS PROJECT Auburn Blvd - Complete Streets Phase 2	Engineering	Director of Engineering and Assistant Engineer	No	No	City of Citrus Heights Frontage Improvements and Utility relocation on Auburn Blvd from Rusch Park to north. 3 new irrigation services.	Final plans signed on 02/24/23. Fees for irrigation services paid. Construction on water related work began on 07/29/24. Water related construction 60% complete.
CITY OF CITRUS HEIGHTS PROJECT San Juan Ave (Madison Ave to Spicer) Road Improvements	Engineering	Director of Engineering and Assistant Engineer	No	No	City of Citrus Heights Road Improvements.	City Awarded Construction Contract in February 2024. Water related work 100% complete. Project closeout in progress.

Items of Interest	Department	Project Team	To Board? If so, Date	Strategic Planning Item	Item Description	Update from Last Report/ Current Status
COUNTY OF SACRAMENTO AC Overlay Project SACOG 2022 Phase 1 to 3	Engineering	Director of Engineering and Associate Civil Engineer	No	No	County of Sacramento Road Improvements along Greenback Lane from Fair Oaks Blvd. to Hazel Ave. Valve box adjustments on CHWD facilities.	<p>Project includes valve box adjustment. District contracted separately with the contractor.</p> <p>County Awarded Construction Contract in February 2024.</p> <p>Water related construction 10% complete. Paving complete. Awaiting raising of valve boxes.</p>

CITRUS HEIGHTS WATER DISTRICT

DISTRICT STAFF REPORT TO BOARD OF DIRECTORS NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT : OPERATIONS DEPARTMENT REPORT
 STATUS : Information Item
 REPORT DATE : November 7, 2024
 PREPARED BY : Jace Nunes, Management Analyst
 Rebecca Scott, Director of Operations

The Citrus Heights Water District has 20 employees in its Operations Department. The following report summarizes their work in October.

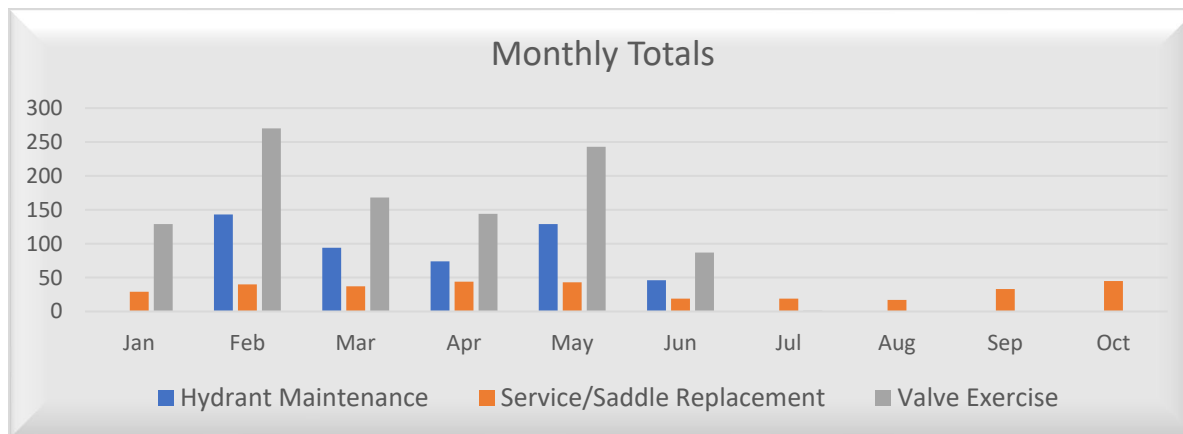
OPERATIONS MONTHLY ACTIVITIES

A. Distribution Division

The Operations Department includes 10 Distribution Operators who perform the necessary maintenance to properly operate and maintain over 250 miles of pipelines and more than 21,000 service connections. The table below summarizes noteworthy common tasks staff perform.

Distribution Maintenance	October 2024	Total CY 2024	Total # in System
Air Valve Inspection (ARV)	0	147	147
Hydrant Maintenance	0	487	2,170
Mainline Repair/Maintenance	1	1	
Meter Box Maintenance	2	24	21,007
Meter Register Replacement	3	192	21,007
Service/Saddle Replacement	45	316	21,007
Valve Exercise	1	1043	4,631
Total	52	2210	

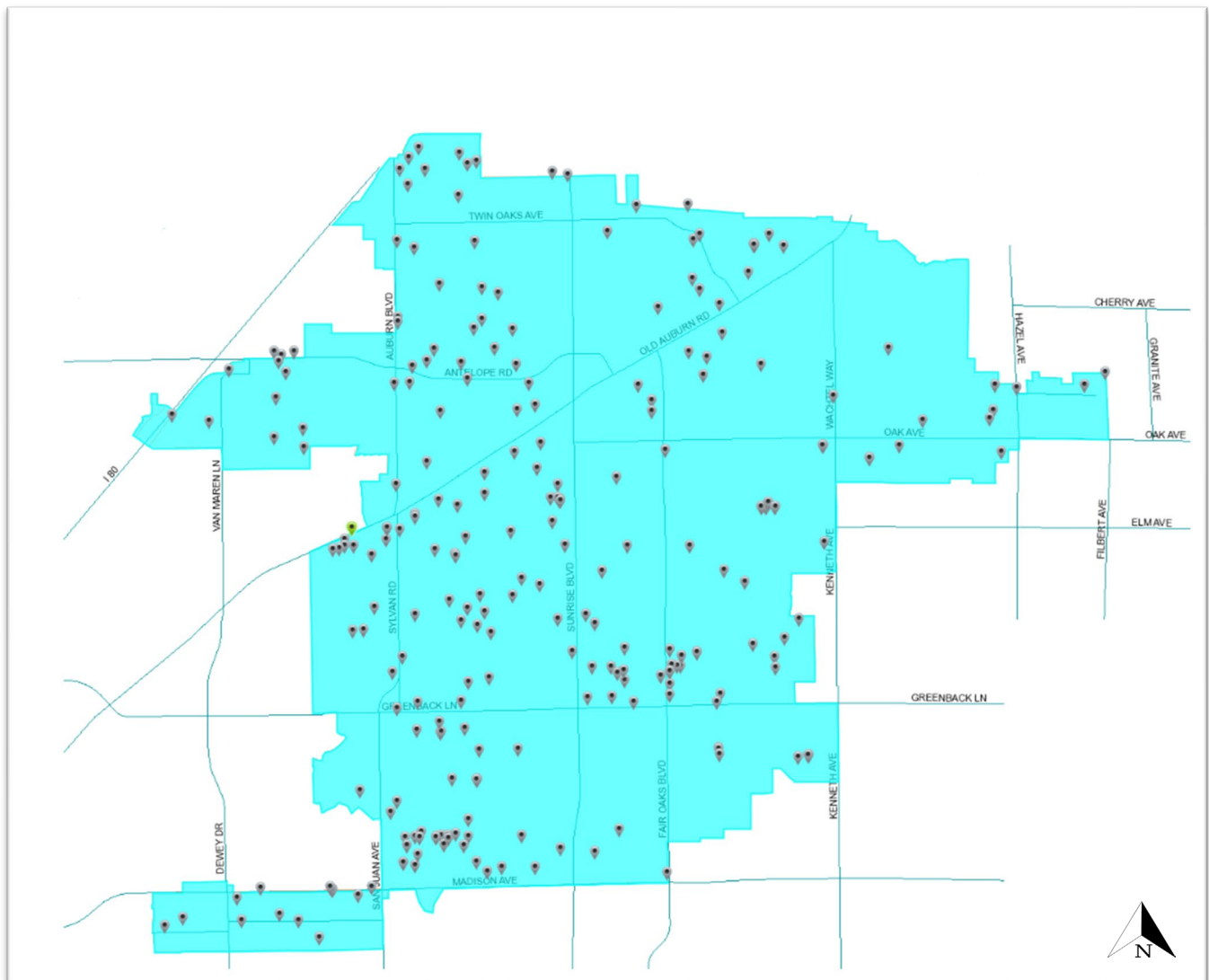
CIP Projects	October 2024	Total CY 2024
C24-010 Water Mainline	0	0
C24-011 Water Valves	4	26
C24-012 Water Services	44	344
C24-013 Water Meters	138	171
C24-014 Fire Hydrants	0	18
C24-103 Pothole Main	0	0
Total	186	559



Note: For October, the hydrant & valve maintenance crew was assigned to collect meters for testing instead of exercising valves or completing hydrant maintenance.

The map below shows the locations where the Operations crews worked in October.

Locations Worked within the Citrus Heights Water District



B. Standby Summary

The Operations Department assigns employees to weekly standby duty to provide 24-hour coverage in case of water emergencies within the District. The year-to-date standby activity is provided below.

Standby Summary			
Standby Reporting Month	Total Calls to After-Hours Answering Service	Site Visits	Resolutions Via Phone Call
January	16	7	9
February	13	7	6
March	14	9	5
April	14	7	7
May	23	12	11
June	31	11	20
July	27	8	19
August	48	21	27
September	22	9	13
October	27	10	17

C. Operations Specialist

The District's Operations Specialist performs the USA markings to help protect the District's distribution system by identifying CHWD utilities for entities working in the District's service area. The Operations Specialist also responds to leak investigations; requests to locate meters; and water turn ons/off (additional information in the chart below).

Operations Specialist Summary		
Work Description	October 2024	Total CY 2024
USA Markings	455	3,886
Check for Leak	43	355
Fire Hydrant Investigation	0	3
Locate a Meter	0	0
Turn Water On/Off	11	79
Total	509	4,323

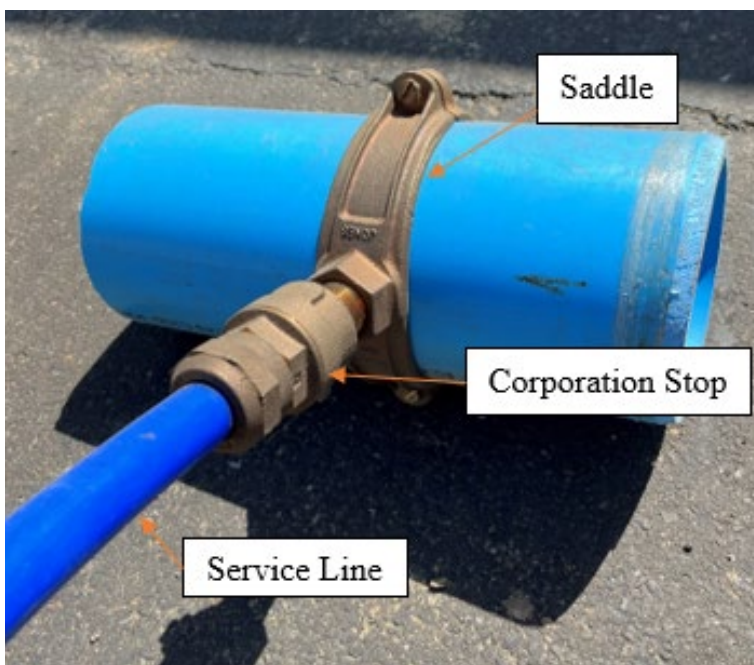
D. Water Quality/Sampling Summary

The Water Resources Division oversees routine monthly bacteriological testing as required by the California Division of Drinking Water. In October, 72 samples were collected with no positive results.

Water Service Saddles:

A water service saddle is a product that fully encompasses a pipe allowing a corporation stop and service line to be connected to a water main. The Citrus Heights Water District has an estimated 21,007 service saddles. Pre-1988, the District did not have a material standard for saddles. The District now requires bronze saddles which have longer service lives and replaces the cast iron saddles that were installed in the past. So far in 2024, the Operations Field Staff has assessed 316 saddles and replaced a high percentage of them.

Saddle and Service Line Diagram



New Bronze Saddle



Cast Iron Saddle Removed from Field



CITRUS HEIGHTS WATER DISTRICT

DISTRICT STAFF REPORT TO BOARD OF DIRECTORS

NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT : 2024 WATER SUPPLY - PURCHASED & PRODUCED
 STATUS : Information Item
 REPORT DATE : November 6, 2024
 PREPARED BY : Brian M. Hensley, Water Resources Supervisor
 : Rebecca Scott, Director of Operations

OBJECTIVE:

Monthly water supply report, including a comparison to the corresponding month in the prior 5 years. The 2013 data is included for reference as it is the baseline consumption year for water conservation mandates.

Month	2013	2019	2020	2021	2022	2023	2024				Year-to-Date Comparison to 2013	
	Total Water Monthly						Surface Water Purchased	Ground Water Produced	Total Water Monthly	Total Water Annual	Comparison to 2013	
	acre feet						acre feet				acre feet	%
Jan	602.52	520.86	519.03	575.54	528.73	501.92	460.92	54.37	515.29	515.29	-87.23	-14.5%
Feb	606.36	447.48	589.8	485.17	605.17	487.3	411.19	56.11	467.30	982.59	-226.29	-18.7%
Mar	819.55	516.87	654.31	601.02	774.74	472.65	488.42	51.30	539.72	1,522.31	-506.12	-25.0%
Apr	1,029.73	682.90	767.24	1,001.96	763.83	698.84	571.47	62.85	634.32	2,156.63	-901.53	-29.5%
May	1,603.43	977.41	1,168.99	1,277.33	1,133.06	1,016.07	982.55	62.36	1,044.91	3,201.54	-1,460.05	-31.3%
Jun	1,816.73	1,328.07	1,475.82	1,541.32	1,288.62	1,265.25	1,356.51	42.64	1,399.15	4,600.69	-1,877.63	-29.0%
Jul	2,059.21	1,582.40	1,682.83	1,643.73	1,536.69	1,513.02	1,602.30	43.68	1,645.98	6,246.67	-2,290.86	-26.8%
Aug	1,924.28	1,603.36	1,660.59	1,538.76	1,461.15	1,494.76	1,438.52	62.63	1,501.15	7,747.82	-2,713.99	-25.9%
Sep	1,509.82	1,297.12	1,381.14	1,333.29	1,228.49	1,220.46	1,263.68	57.44	1,321.12	9,068.94	-2,902.69	-24.2%
Oct	1,297.42	1,083.17	1,185.00	972.09	1,065.99	966.12	1,080.08	79.08	1,159.16	10,228.10	-3,040.95	-22.9%
Nov	911.55	839.06	779.34	576.37	637.25	648.08						
Dec	700.94	548.17	620.34	536.97	541.93	558.87						
Total	14,881.54	11,426.87	12,484.43	12,083.55	11,565.65	10,843.34	9,655.64	572.46	10,228.10	10,228.10		
% of Total							94.40%	5.60%				

CITRUS HEIGHTS WATER DISTRICT

DISTRICT STAFF REPORT TO BOARD OF DIRECTORS NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT	: WATER SUPPLY RELIABILITY
STATUS	: Information Item
REPORT DATE	: November 6, 2024
PREPARED BY	: Brian Hensley, Water Resources Supervisor Rebecca Scott, Director of Operations

OBJECTIVE:

Receive and file status report on surface water supplies available to the Citrus Heights Water District (District).

BACKGROUND AND ANALYSIS:

As of November 1, 2024, storage in Folsom Lake was at 396,882 acre-feet, forty-one percent (41%) of the total capacity of 977,000 acre-feet. This represents a decrease in storage of 61,850 acre-feet in the past month.

The District's total water use during October 2024 (1,159.16 acre-feet) was eleven percent (11%) below that of October 2013 (1,297.42 acre-feet).

The District's groundwater production wells: Bonita, Skycrest, Mitchell Farms, and Sylvan are operational and used on a rotational or as-needed basis. Other District groundwater production wells, Palm and Sunrise, are available for emergency use.

CITRUS HEIGHTS WATER DISTRICT

DISTRICT STAFF REPORT TO BOARD OF DIRECTORS NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT : WATER EFFICIENCY & SAFETY PROGRAM UPDATE
STATUS : Information Item
REPORT DATE : November 7, 2024
PREPARED BY : Jace Nunes, Management Analyst
Rebecca Scott, Director of Operations

Water Efficiency, Safety and Meter Program updates are summarized below.

ACTIVITIES AND PROGRESS REPORT

- Water Efficiency activities during the month of October 2024 included the following:
 - Four High Efficiency Toilet (HET) rebates were processed.
 - One High Efficiency Clothes Washer rebate was processed.
- Twenty-three reports of water waste were received in October. Staff continues to reach out to customers concerning water waste violations.

The District holds several safety meetings per month. The October safety meetings were titled “Slips, Trips, and Falls,” “Housekeeping For Safety,” “Evacuation Drill,” and “Fire Extinguisher Training.”

- The 2024 WaterSmart schedule concluded in October. In total, the District offered five WaterSmart classes which included three in-person classes and two webinars. All of these classes are available on CHWD’s YouTube channel (see viewership numbers on the last page of this report), where they serve as resources for our customers and are viewable on-demand.
- CHWD has a demonstration garden at the Sylvan Ranch Community Garden featuring water efficient landscaping. CHWD works with a customer-based volunteer “Garden Corps,” who maintain the plots by removing weeds and checking the irrigation system and controller timers. The garden’s webpage, www.chwd.org/garden, allows viewers to see detailed information about each plant in the District’s plots, and create a customized plant list for their property.

The following table summarizes CHWD's Residential Gallons Per Capita Per Day (R-GPCD) values for 2024:

Month	R-GPCD 2024	R-GPCD 2023	% CHANGE
January	67	64	4%
February	66	71	-6%
March	69	60	16%
April	86	88	-3%
May	130	128	2%
June	185	167	11%
July	208	191	9%
August	180	189	-4%
September	170	155	10%
October	144*	118	23%

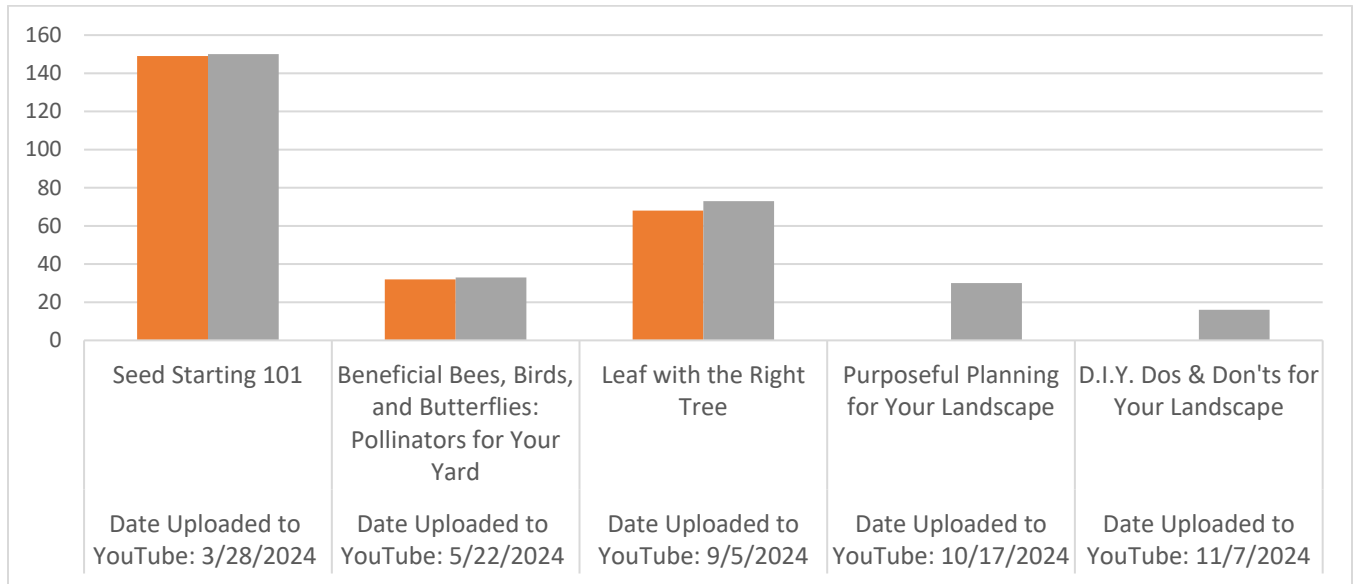
*Preliminary number as of the report date

The following table summarizes the service requests and work orders of Water Efficiency staff for October 2024:

Work Orders	Oct 2024	Oct 2023
CHANGE TOUCH-READ TO RADIO READ	0	3
CONVERT TO RADIO-READ METER	26	34
METER BOX MAINTENANCE	2	3
METER REPAIR	0	0
METER REPLACEMENT	1	21
METER TESTING	0	0
REGISTER REPLACEMENT	8	26
RADIO-READ REGISTER REPLACEMENT	3	12
INSTALL METER	0	0
TOTAL	40	99

Service Requests	Oct 2024	Oct 2023
CONSERVATION REQUEST	23	19
CHECK FOR LEAK	1	0
UNABLE TO OBTAIN METER READ	37	74
TRIM SHRUBS	3	4
METER BURIED	24	32
METER MAINT.	10	30
LOCKED GATE	3	6
RE-READ METER	25	26
READ METER	0	0
METER BOX MAINT.	2	3
MOVE-IN/MOVE-OUT	12	16
CAR OVER METER	32	15
TOTAL	172	225

2024 WaterSmart Class Viewership



■ = Viewership, October 8, 2024

■ = Viewership, November 7, 2024

CITRUS HEIGHTS WATER DISTRICT

DISTRICT STAFF REPORT TO BOARD OF DIRECTORS
NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT	: RESOLUTION COMMENDING LAURA MASON-SMITH FOR FACILITATION SERVICES TO THE CITRUS HEIGHTS WATER DISTRICT (CHWD or DISTRICT)
STATUS	: Action Item
REPORT DATE	: November 6, 2024
PREPARED BY	: Kayleigh Shepard, Management Analyst/Deputy Board Clerk Brittney Moore, Administrative Services Manager/Chief Board Clerk

OBJECTIVE:
Consider adoption of Resolution No. 11-2024 Commending Laura Mason-Smith for her facilitation services to the District.

BACKGROUND AND ANALYSIS:
Laura Mason-Smith, President and Principal Consultant for Mason-Smith Success Strategies is retiring after 35 years in service as a consultant, facilitator, and coach.

A Resolution acknowledging and commending Laura’s service is presented for the Board’s consideration.

RECOMMENDATION:
Adopt Resolution No. 11-2024 Commending Laura Mason-Smith for facilitation services to the Citrus Heights Water District.

ATTACHMENT:
Resolution No. 11-2024 Commending Laura Mason-Smith for her facilitation services to the District

ACTION:
Moved by Director _____, Seconded by Director _____, Carried _____

CITRUS HEIGHTS WATER DISTRICT
RESOLUTION NO. 11-2024
RESOLUTION OF THE BOARD OF DIRECTORS
OF CITRUS HEIGHTS WATER DISTRICT
COMMENDING LAURA MASON-SMITH FOR OUTSTANDING SERVICE

WHEREAS, Laura Mason-Smith is an insightful consultant, facilitator, and coach, whose expertise has significantly benefited the Citrus Heights Water District (CHWD or District) since 2016; and

WHEREAS, Laura received a Bachelor of Science degree with honors from California State University Sacramento in Finance and Marketing; and

WHEREAS, Laura founded Mason-Smith SUCCESS STRATEGIES in 1988, and has served clients throughout California and across the United States; and

WHEREAS, Laura's unique combination of hands-on business, public sector, and non-profit expertise has provided invaluable insights to the District, facilitating the successful formalizing of the District's annual strategic planning session, ultimately leading to improved collaboration and efficiency, and

WHEREAS, Laura has excelled at transforming challenges into opportunities, guiding the District through community engagement initiatives through the Customer Advisory Committee, and stakeholder workshops with the Project 2030 Study and development of the Project 2030 Workflow Mapping processes with staff, that have enhanced organizational effectiveness and public relations; and

WHEREAS, Laura's commitment to fostering effective leadership within organizations has inspired and empowered CHWD staff, earning her the respect and admiration of the Board of Directors, staff, and the community at large; and

WHEREAS, Laura Mason-Smith's contributions have left a lasting impact on the Citrus Heights Water District, and her legacy of excellence in facilitation will continue to resonate within the organization.

THEREFORE, BE IT RESOLVED that the members of the Board of Directors of the Citrus Heights Water District hereby extend to Laura Mason-Smith, our sincere and grateful appreciation for her dedicated service to the District, our congratulations on her well-earned retirement, and our best wishes for her continued success, happiness, and good health in the years to come.

PASSED AND ADOPTED by the Board of Directors of the CITRUS HEIGHTS WATER DISTRICT this 18th day of November 2024 by the following vote, to-wit:

AYES: Directors:
NOES: Directors:
ABSTAIN: Directors:
ABSENT: Directors:

CARYL SHEEHAN, President
Board of Directors
Citrus Heights Water District

ATTEST:

SEAL

BRITTNEY MOORE, Chief Board Clerk

CITRUS HEIGHTS WATER DISTRICT

DISTRICT STAFF REPORT TO BOARD OF DIRECTORS NOVEMBER 18, 2024 SPECIAL MEETING

SUBJECT : DISCUSSION AND POSSIBLE ACTION TO APPROVE AN AGREEMENT
WITH RAWLES ENGINEERING, INC. FOR THE MINNESOTA DRIVE
WATER MAIN PROJECT

STATUS : Action Item

REPORT DATE : November 07, 2024

PREPARED BY : Tamar Dawson, Assistant Engineer
Missy Pieri, Director of Engineering/District Engineer

OBJECTIVE:

Consider acceptance of a bid from Rawles Engineering, Inc. to install an 8-inch water main and appurtenances along Minnesota Drive as part of Citrus Heights Water District's (CHWD) annual water main replacement program.

BACKGROUND AND ANALYSIS:

The Minnesota Drive Water Main Project (Project) will replace aging (built in 1960) 6-inch steel and asbestos cement water mains with an 8-inch water main. The Project includes replacing two fire hydrants and adding a third fire hydrant along Minnesota Drive. The Project will provide improved fire flow and coverage area as well as bolster system redundancy to the residential neighborhood. This Project appears in the 2024 Capital Projects Budget as the Minnesota Drive Water Main Project (C24-101) and was identified using the risk assessment model created as part of the Project 2030 Study.

The District received six (6) sealed proposals on November 07, 2024, at which time proposals were opened and read publicly. Bids received are as follows:

1. Rawles Engineering, Inc.	\$427,833.00
2. ARB, Inc.	\$478,660.00
3. LaFleur Excavating, Inc.	\$498,136.00
4. Flowline Contractors, Inc.	\$528,523.50
5. LUND Construction Co.	\$613,298.00
6. Preston Pipelines Infrastructure LLC	\$950,465.00

The lowest responsive bid received was from Rawles Engineering, Inc., Folsom, Ca. at \$427,833.00 as noted above. This bid was approximately 16.3% below the estimated construction cost of \$511,357.00. Staff recommends acceptance of the lowest responsive bid.

RECOMMENDATION:

Accept the bid of Rawles Engineering, Inc. in the amount of \$427,833.00 and establish a contingency fund in the amount of \$42,783.30 (10%), for a total amount of \$470,616.30. Authorize the General Manager to execute an agreement with Rawles Engineering, Inc.

ATTACHMENT:

Minnesota Drive Water Main Project Construction Agreement

ACTION:

Moved by Director _____, Seconded by Director _____, Carried _____

MINNESOTA DRIVE WATER MAIN PROJECT

SPECIFICATIONS FOR PROJECT NO. C24-101



CONSTRUCTION AGREEMENT



**CITRUS
HEIGHTS
WATER
DISTRICT**

6230 Sylvan Rd • PO Box 286
Citrus Heights • California • 95611-0286

916/725-6873 • 916/725-0345 Fax

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SECTION 00100
NOTICE INVITING BIDS

NOTICE INVITING BIDS

Citrus Heights Water District ("District") will receive sealed bids for the **Minnesota Drive Water Main Project** no later than **November 07, 2024, at 2:00 PM**, at the Administrative Office of Citrus Heights Water District, 6230 Sylvan Road, Citrus Heights, CA 95610, at which time said bids will be read aloud. The District will not accept late bids. Bids shall be valid for 60 calendar days after the bid opening date.

The Project must be completed within **75** calendar days (**53** working days), beginning ten (10) calendar days after the date on which the notice to proceed ("Notice to Proceed") is sent by the District to the contractor that is awarded a bid for this Project ("Contractor").

The Project consists of all Work described in the Contract Documents and generally consists of furnishing of all labor, materials, tax, equipment and services for the construction and completion of the following work all within the **private roadway of Minnesota Drive and a portion of the public Right of Way on Oak Avenue**, within the City of Citrus Heights in the County of Sacramento. The work to be completed includes, but is not limited to, installing 12 linear feet of 12-inch water main, 1301 linear feet of 8-inch water main, 39 linear feet of 6-inch water main, two (2) 12-inch gate valves, four (4) 8-inch gate valves, three (3) 6-inch gate valves, three (3) steamer fire hydrants and twelve (12) 1-inch water services with curb stops.

Addendums or changes to the Contract Documents, Plans and Specifications prior to the date and time specified of the opening of bids will be performed and validated in writing and distributed by the District to the plan holders of record.

Contract Documents, Plans, and Specifications are now posted on the California Surveying & Drafting Supply (CSDS) website at <https://planroom.csdsinc.com/> under heading of Recent Jobs Posted. Citrus Heights Water District will be using CSDS to manage and distribute all Contract Documents, Plans, and Specifications. The entire bid package including plans and any District issued addendums can be ordered at the expense of the Contractor through the website or by calling CSDS at (916) 344-0232, 4733 Auburn Blvd, Sacramento, CA 95841. Prospective bidders may review all the documents on the website without downloading for no charge.

Addendums or changes to the Contract Documents, Plans and Specifications prior to the date and time specified of the opening of bids will be performed and validated in writing and distributed by the District to the plan holders of record.

Complete sets of the Bid Forms must be used in preparing bids. The District does not assume responsibility for errors or misinterpretations resulting from the use of incomplete sets of Contract Documents. Modifications to or withdrawal of bids may be made by the bidder prior to the bid closing deadline. Bids must be accompanied by cash, a certified

SECTION 00100
NOTICE INVITING BIDS

or cashier's check, or a Bid Bond in favor of the District in an amount not less than (10%) of the submitted Total Bid Price.

Bids will be read aloud. However, bid results are automatically made public by email transmittal to all participants of the Mandatory Pre-Bid Conference and by posting to the District's website at <http://chwd.org/>. The District reserves the right to reject any or all Bids and to waive any informality or irregularity in any Bid.

A MANDATORY Pre-Bid Conference will be held at 6230 Sylvan Road, Citrus Heights, CA 95610 on the following date and time: **October 23, 2024, at 9:00 AM**. Each and every Bidder MUST attend the Pre-Bid Conference. Bids WILL NOT be accepted from any bidder who did not attend the Mandatory Pre-Bid Conference.

The last day to submit written questions is **October 29, 2024, before 5:00 PM**. Submission shall be sent via email to Tamar Dawson at tdawson@chwd.org. An addendum will be created to address all questions and sent to all attendees of the Mandatory Pre-Bid Conference via email by end-of-day **October 31, 2024**.

The District's preliminary cost estimate for this Project is **\$511,357.00**.

Each bid shall be accompanied by the security referred to in the Contract Documents, the non-collusion declaration, the list of proposed subcontractors, and all additional documentation required by the Instructions to Bidders.

The successful bidder will be required to furnish the District with a Performance Bond equal to 100% of the successful bid, and a Payment Bond equal to 100% of the successful bid, prior to execution of the Contract. All bonds are to be secured from a surety that meets all of the State of California bonding requirements, as defined in Code of Civil Procedure Section 995.120, and is admitted by the State of California.

Pursuant to Public Contract Code Section 22300, the successful bidder may substitute certain securities for funds withheld by District to ensure his performance under the Contract.

The Director of Industrial Relations has determined the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute the Contract which will be awarded to the successful bidder, copies of which are on file and will be made available to any interested party upon request at the District's offices, 6230 Sylvan Road, Citrus Heights, California 95610, or online at <http://www.dir.ca.gov/dlsr>. A copy of these rates shall be posted by the successful bidder at the job site. The successful bidder and all subcontractor(s) under him, shall comply with all applicable Labor Code provisions, which include, but are not limited to the payment of not less than the required prevailing rates to all workers employed by them in the execution of the Contract, the employment of apprentices, the hours of labor and the debarment of contractors and subcontractors.

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NOTICE INVITING BIDS

SECTION 00100
NOTICE INVITING BIDS

All contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work. This Project will be subject to compliance monitoring and enforcement by the Department of Industrial Relations.

Each bidder shall be a licensed contractor pursuant to the Business and Professions Code and shall be licensed in the following appropriate classification(s) of contractor's license(s), for the work bid upon, and must maintain the license(s) throughout the duration of the Contract:

California Class A General Engineering Contractor.

This Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. In bidding on this project, it shall be the Bidder's sole responsibility to evaluate and include the cost of complying with all labor compliance requirements under this contract and applicable law in its bid.

The California Air Resources Board ("CARB") implemented amendments to the In-Use Off-Road Diesel-Fueled Fleets Regulations ("Regulation") which went into effect on January 1, 2024, and apply broadly to all self-propelled off road diesel vehicles 25 horsepower or greater and other forms of equipment used in California. A copy of the Regulation is available at <https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2022/off-road-diesel/appa-1.pdf>. Bidders are required to comply with all CARB and Regulation requirements, including, without limitation, all applicable sections of the Regulation, as codified in Title 13 of the California Code of Regulations section 2449 et seq. throughout the duration of the Project. Bidders must provide, with their Bid, copies of Bidder's and all listed subcontractors' most recent, valid Certificate of Reported Compliance ("CRC") issued by CARB. Failure to provide valid CRCs as required herein may render the Bid non-responsive.

Award of Contract: The District may award the Contract for the Project to the lowest responsible bidder as determined from the Base Bid by the District. The District reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding process.

The District reserves the right to reject any or all bids or to accept any bid. The District reserves the right to determine which proposal is, in its judgment, the most responsive bid of a responsible bidder and which proposal should be accepted in the best interest of the District. The District also reserves the right to waive any informality in any proposal or bid.

SECTION 00100
NOTICE INVITING BIDS

For further information, contact Tamar Dawson at 916-735-7732 or via e-mail tdawson@chwd.org.

END OF NOTICE INVITING BIDS

SECTION 00200
INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

1. AVAILABILITY OF CONTRACT DOCUMENTS

Bids must be submitted to the District on the Bid Documents which are a part of the Bid Package for the Project. Prospective bidders may obtain a complete set of Contract Documents as stated in the Notice Inviting Bids.

2. EXAMINATION OF CONTRACT DOCUMENTS

The District has made copies of the Contract Documents available, as indicated above. Bidders shall be solely responsible for examining the Project Site and the Contract Documents, including any Addenda issued during the bidding period, and for informing itself with respect to local labor availability, means of transportation, necessity for security, laws and codes, local permit requirements, wage scales, local tax structure, contractors' licensing requirements, availability of required insurance, and other factors that could affect the Work. Bidders are responsible for consulting the standards referenced in the Contract. Failure of Bidder to so examine and inform itself shall be at its sole risk, and no relief for error or omission will be given except as required under State law.

3. INTERPRETATION OF CONTRACT DOCUMENTS

Discrepancies in, and/or omissions from the Plans, Specifications or other Contract Documents or questions as to their meaning shall be immediately brought to the attention of the District by submission of a written request for an interpretation or correction to the District. Such submission, if any, must be sent via email or U.S. Mail to:

Tamar Dawson
Citrus Heights Water District
6230 Sylvan Road
Citrus Heights, CA 95610
e-mail: tdawson@chwd.org

and received no later than **October 29, 2024, before 5:00PM.**

Any interpretation of the Contract Documents will be made only by written addenda duly issued and provided to all recipients of complete sets of the Contract Documents. The District will not be responsible for any explanations or interpretations provided in any other manner. No person is authorized to make any oral interpretation of any provision in the Contract Documents to any Bidder, and no Bidder should rely on any such oral interpretation.

Bids shall include complete compensation for all items of work to be performed under the Contract Documents.

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INSTRUCTIONS TO BIDDERS

4. INSPECTION OF SITE; PRE-BID CONFERENCE AND SITE WALK

Each prospective bidder is responsible for fully acquainting itself with the conditions of the Project Site(s), as well as those relating to the construction and labor of the Project, to fully understand the facilities, difficulties and restrictions which may impact the cost or effort required to complete the Project. To this end, a Pre-Bid Conference and Site Walk will be held on the date(s) and time(s) indicated in the Notice Inviting Bids.

5. ADDENDA

The District reserves the right to revise the Contract Documents prior to the bid opening date. Revisions, if any, shall be made by issuing Addenda. All plan holders will be notified when an addendum is posted to the bid management system. All addenda issued by the District shall be included in the bid and made part of the Contract Documents. Pursuant to Public Contract Code Section 4104.5, if the District issues an Addendum which includes material changes to the Project less than **72 hours** prior to the deadline for submission of bids, the District will extend the deadline for submission of bids. The District may determine, in its sole discretion, whether an Addendum warrants postponement of the bid submission date. Announcement of any extension shall be made via the electronic bid management system to all plan holders. Please Note: Bidders are responsible for ensuring that they have received any and all Addenda. To this end, the electronic bid management system requires each bidder acknowledge receipt of all addenda before submission of the bid.

6. ALTERNATE BIDS

If alternate bid items are called for in the Contract Documents, the lowest bid will be determined on the basis of the base bid only, unless otherwise specified in the notice Inviting Bids. The time required for completion of the alternate bid items has been factored into the Contract Time and no additional time will be awarded for any of the alternate bid items. The District may elect to include one or more of the alternate bid items, or to otherwise remove certain work from the Project scope of work, accordingly each Bidder must ensure that each bid item contains a proportionate share of profit, overhead and other costs or expenses which will be incurred by the Bidder.

7. COMPLETION OF BID FORMS

Bids shall only be prepared using copies of the Bid Forms which are included in the Contract Documents. The use of substitute bid forms will not be permitted. Bids shall be executed by an authorized signatory as described in these Instructions to Bidders. Deviations in the bid form may result in the bid being deemed non-responsive.

8. MODIFICATIONS OF BIDS

Each Bidder shall submit its Bid in strict conformity with the requirements of the Contract

SECTION 00200
INSTRUCTIONS TO BIDDERS

Documents. Unauthorized additions, modifications, revisions, conditions, limitations, exclusions or provisions attached to a Bid may render it non-responsive and may cause its rejection. Bidders shall neither delete, modify, nor supplement the printed matter on the Bid Forms, nor make substitutions thereon. Oral, telephonic and electronic modifications will not be considered, unless the Notice Inviting Bids authorizes the submission of electronic bids and modifications thereto and such modifications are made in accordance with the Notice Inviting Bids.

9. DESIGNATION OF SUBCONTRACTORS

Pursuant to State law, the Bidders must designate the name and location of each subcontractor who will perform work or render services for the Bidder in an amount that exceeds one-half of one percent (1/2%) of the Bidder's Total Bid Price, as well as the portion of work each such subcontractor will perform on the form provided herein by the District. No additional time will be provided to bidders to submit any of the requested information in the Designation of Subcontractor form.

10. LICENSING REQUIREMENTS

Pursuant to Section 7028.15 of the Business and Professions Code and Section 3300 of the Public Contract Code, all bidders must possess proper licenses for performance of this Contract. Subcontractors must possess the appropriate licenses for each specialty subcontracted. Pursuant to Section 7028.5 of the Business and Professions Code, the District shall consider any bid submitted by a contractor not currently licensed in accordance with state law and pursuant to the requirements found in the Contract Documents to be nonresponsive, and the District shall reject the Bid. The District shall have the right to request, and Bidders shall provide within five (5) calendar Days, evidence satisfactory to the District of all valid license(s) currently held by that Bidder and each of the Bidder's subcontractors, before awarding the Contract.

Notwithstanding anything contained herein, if the Work involves federal funds, the Contractor shall be properly licensed by the time the Contract is awarded, pursuant to the provisions of Public Contract Code Section 20103.5.

11. CALIFORNIA AIR RESOURCES BOARD COMPLIANCE

The District is a Public Works Awarding Body, as defined under Title 13 California Code of Regulations section 2449(c)(46). Accordingly, Bidders must submit, with their Bids, valid Certificates of Reported Compliance ("CRC") for the Bidder's fleet and for the fleet(s) of its listed subcontractors (including any applicable leased equipment or vehicles). Bidder must additionally complete and submit the Fleet Compliance Certification, included in the Bid Documents. Failure to provide a CRC for the Bidder, and for all listed subcontractors, or failure to complete the Fleet Compliance Certification, may render the Bid non-responsive.

SECTION 00200
INSTRUCTIONS TO BIDDERS

12. SIGNING OF BIDS

All Bids submitted shall be executed by the Bidder or its authorized representative. Bidders may be asked to provide evidence in the form of an authenticated resolution of its Board of Directors or a Power of Attorney evidencing the capacity of the person signing the Bid to bind the Bidder to each Bid and to any Contract arising therefrom. Hard copy of bids shall be submitted at the District's offices.

If a Bidder is a joint venture or partnership, it may be asked to submit an authenticated Power of Attorney executed by each joint venturer or partner appointing and designating one of the joint venturers or partners as a management sponsor to execute the Bid on behalf of Bidder. Only that joint venturer or partner shall execute the Bid. The Power of Attorney shall also: (1) authorize that particular joint venturer or partner to act for and bind Bidder in all matters relating to the Bid; and (2) provide that each venturer or partner shall be jointly and severally liable for any and all of the duties and obligations of Bidder assumed under the Bid and under any Contract arising therefrom. The Bid shall be executed by the designated joint venturer or partner on behalf of the joint venture or partnership in its legal name.

13. BID GUARANTEE (BOND)

Each bid shall be accompanied by: (a) cash; (b) a certified check made payable to the District; (c) a cashier's check made payable to the District; or (d) a bid bond payable to the District executed by the bidder as principal and surety as obligor in an amount not less than 10% of the maximum amount of the bid. Personal sureties and unregistered surety companies are unacceptable. The surety insurer shall be California admitted surety insurer, as defined in Code of Civil Procedure Section 995.120. The cash, check or bid bond shall be given as a guarantee that the bidder shall execute the Contract if it be awarded to the bidder, shall provide the payment and performance bonds and insurance certificates and endorsements as required herein within ten (10) calendar Days after notification of the intent to award the Contract to the bidder. Failure to provide the required documents may result in forfeiture of the bidder's bid deposit or bond to the District and the District may award the Contract to the next lowest responsible bidder, or may call for new bids.

14. SUBMISSION OF SEALED BIDS

Bidders shall submit hard copies of their bids pursuant to Public Contract Code Sections 1600 and 1601. The acceptable method(s) of submission are stated in the Notice Inviting Bids. District shall not accept bids otherwise transmitted. **No oral, telephonic, or facsimile bids will be considered.**

15. DELIVERY AND OPENING OF BIDS

Bids will be received by the District up to the date and time shown in the Notice Inviting

SECTION 00200
INSTRUCTIONS TO BIDDERS

Bids. It is the Bidder's sole responsibility to ensure that its Bid is received as specified. Bids may be submitted earlier than the dates(s) and time(s) indicated.

Bids will be opened at the date and time stated in the Notice Inviting Bids, and the amount of each Bid will be read aloud and recorded. All Bidders may, if they desire, attend the opening of Bids. The District may, in its sole discretion, elect to postpone the opening of the submitted Bids. District reserves the right to reject any or all Bids and to waive any informality or irregularity in any Bid. In the event of a discrepancy between the written amount of the Bid Price and the numerical amount of the Bid Price, the written amount shall govern.

16. WITHDRAWAL OF BID

Prior to the bid closing deadline, a Bid may be electronically withdrawn by the Bidder. Any request to withdraw a bid after bid opening must be made in accordance with Public Contract Code section 5100 *et seq.* and must be submitted in writing within five (5) working Days, excluding Saturday, Sundays and State holidays, specifying in detail how the mistake was made.

17. BASIS OF AWARD; BALANCED BIDS

The District shall award the Contract to the lowest responsible Bidder submitting a responsive Bid. The District may reject any Bid which, in its opinion when compared to other bids received or to the District's internal estimates, does not accurately reflect the cost to perform the Work. The District may reject as non-responsive any bid which unevenly weights or allocates costs, including but not limited to overhead and profit to one or more particular bid items.

18. DISQUALIFICATION OF BIDDERS; INTEREST IN MORE THAN ONE BID

No bidder shall be allowed to make, submit or be interested in more than one bid. However, a person, firm, corporation or other entity that has submitted a sub-proposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a sub-proposal or quoting prices to other bidders submitting a bid to the District. No person, firm, corporation, or other entity may submit sub-proposal to a bidder, or quote prices of materials to a bidder, when also submitting a prime bid on the same Project.

19. INSURANCE REQUIREMENTS

The successful bidder shall procure the insurance in the form and in the amount specified in the Contract Documents.

20. AWARD PROCESS

Once all Bids are opened and reviewed to determine the lowest responsive and

SECTION 00200
INSTRUCTIONS TO BIDDERS

responsible Bidder, the District may award the contract, or reject all bids. The apparent successful Bidder should begin to prepare the following documents: **(1) the Performance Bond**; **(2) the Payment Bond**; and **(3) the required insurance certificates and endorsements**. Once the District notifies the Bidder of the intent to award, the Bidder will have ten (10) consecutive calendar Days from the date of this notification to execute the Contract and supply the District with all of the required documents and certifications. Regardless whether the Bidder supplies the required documents and certifications in a timely manner, the Contract time will begin to run ten (10) calendar Days from the date of the notification. Once the District receives all of the properly drafted and executed documents and certifications from the Bidder, the District shall issue a Notice to Proceed to that Bidder.

21. FILING OF BID PROTESTS

Any bid protest relating to the form or content of the Bid or Contract Documents must be submitted in writing via the electronic bid management system at least ten (10) business Days before the original date set for the bid opening. Any bidder who submits a bid without making a protest shall be deemed to have waived any objection to the form of content of the Bid or Contract Documents not previously stated in writing.

Submitted bids will be timely made available for review upon written request of any bidder.

Bidders may file a “protest” of a Bid with the District’s General Manager. In order for a Bidder’s protest to be considered valid, the protest must:

- A. Be filed in writing not later than 5:00 p.m. on the fifth business Day after the bid opening date;
- B. Clearly identify the specific irregularity or basis for the protest;
- C. Specify, in detail, the factual and legal grounds for the protest; and
- D. Include all relevant supporting documentation with the protest at time of filing.

If the protest does not meet all of these requirements, the District may reject it without further review.

If the protest is timely and complies with all of the above requirements, the District’s General Manager, or other designated District staff or representative, shall review the protest, any response from the challenged bidder, and all other relevant information. The District will provide a written response to the protestor.

The procedure and time limits set forth in this section are mandatory and are the sole and exclusive remedy in the event of a bid protest. Failure to comply with these procedures shall constitute a failure to exhaust administrative remedies and a waiver of any right to

SECTION 00200
INSTRUCTIONS TO BIDDERS

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further pursue the bid protest, including filing a Government Code Claim or legal proceedings.

22. WORKERS COMPENSATION

Each bidder shall submit the Contractor's Certificate Regarding Workers' Compensation form.

23. RETENTION AND SUBSTITUTION OF SECURITY

The Contract Documents call for monthly progress payments based upon the percentage of the work completed. Unless the District has made findings pursuant to Public Contract Code section 7201 (that the work included in this Contract is substantially complex, and therefore a retention of 10% shall be withheld from each progress payment as provided by the Contract Documents), the District will retain five percent (5%) of each progress payment as provided by the Contract Documents. At the request and expense of the successful Bidder, the District will substitute securities for the amount so retained in accordance with Public Contract Code Section 22300.

24. PREVAILING WAGES

The District has obtained from the Director of the Department of Industrial Relations the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute the Contract. These rates are on file and available at the District's offices, 6230 Sylvan Road, Citrus Heights, California 95610, or may be obtained online at <https://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. Bidders are advised that a copy of these rates must be posted by the successful Bidder at the job site(s).

If the Work involves federal funds or otherwise requires compliance with the Davis-Bacon Fair Labor Standards Act, the Contractor and all its subcontractors shall pay the higher of the state or federal prevailing wage rates.

25. DEBARMENT OF CONTRACTORS AND SUBCONTRACTORS

In accordance with the provisions of the Labor Code, contractors or subcontractors may not perform work on a public works project with a subcontractor who is ineligible to perform work on a public project pursuant to Section 1777.1 or Section 1777.7 of the Labor Code. Any contract on a public works project entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract. Any public money that is paid to a debarred subcontractor by the Contractor for the Project shall be returned to the District. The Contractor shall be responsible for the payment of wages to workers of a debarred subcontractor who has been allowed to work on the Project.

SECTION 00200
INSTRUCTIONS TO BIDDERS

26. IRAN CONTRACTING ACT CERTIFICATION

Each bidder shall submit the certification required by the Iran Contracting Act of 2010, Public Contract Code section 2200 *et seq.* with its bid. The certification is included in the Contract Documents.

27. PERFORMANCE BOND AND PAYMENT BOND REQUIREMENTS

Within the time specified in the Contract Documents, the Bidder to whom a Contract is awarded shall deliver to the District four identical counterparts of the Performance Bond and Payment Bond in the form supplied by the District and included in the Contract Documents. Failure to do so may, in the sole discretion of District, result in the forfeiture of the Bid Guarantee. The surety supplying the bond must be an admitted surety insurer, as defined in Code of Civil Procedure Section 995.120, authorized to do business as such in the State of California and satisfactory to the District. The Performance Bond and the Payment Bond shall be for one hundred percent (100%) of the Total Bid Price.

28. REQUEST FOR SUBSTITUTIONS

The successful bidder shall comply with the substitution request provisions set forth in the Special Conditions, including any deadlines for substitution requests **which may occur prior to the bid opening date.**

29. SALES AND OTHER APPLICABLE TAXES, PERMITS, LICENSES AND FEES

Contractor and its subcontractors performing work under this Contract will be required to pay California sales tax and other applicable taxes, and to pay for permits, licenses and fees required by the agencies with authority in the jurisdiction in which the work will be located, unless otherwise expressly provided by the Contract Documents. Bidders shall include all applicable taxes and fees that are in effect or reasonably anticipated on the bid date in their bid price.

30. EXECUTION OF CONTRACT

As required herein, the Bidder to whom an award is made shall execute two identical counterparts of the Contract in the amount determined by the Contract Documents. The District may require appropriate evidence that the persons executing the Contract are duly empowered to do so.

END OF INSTRUCTIONS TO BIDDERS

**SECTION 00400
BID FORM**

BID FORM

NAME OF BIDDER:

Rawles Engineering, Inc.

The undersigned, hereby declare that we have carefully examined the location of the proposed Work, and have read and examined the Contract Documents, including all plans, specifications, and all addenda, if any, for the following Project:

**MINNESOTA DRIVE
WATER MAIN PROJECT**

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services, and to discharge all duties and obligations necessary and required to perform and complete the Project in strict accordance with the Contract Documents for the TOTAL BID PRICE.

In the event the bid schedule requires unit pricing, final payment shall be determined by the District from measured quantities of work performed based upon the unit price.

Bid Item	Description	Quantity	Units	Unit Cost	Price
1	Mobilization. (8% Max. of total)	1	Lump Sum	32,000 -	32,000 -
2	Sheeting, shoring and bracing. (1% Max. of total)	1	Lump Sum	2,500 -	2,500 -
3	Traffic control plan and implementation. (5% Max. of total)	1	Lump Sum	2,500 -	2,500 -
4	Storm water pollution prevention implementation. (1% Max. of total)	1	Lump Sum	2,500 -	2,500 -
5	Install 12" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) water main.	12	Lineal Feet	500 -	6,000 -
6	Install 8" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) water main.	141	Lineal Feet	140 -	19,740 -
7	Install 8" CL 305 DR 14 AWWA C900 Polyvinylchloride (PVC) water main.	1160	Lineal Feet	146.50	169,940 -
8	Install 6" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) water main.	39	Lineal Feet	150 -	5,850 -
9	8" connection to existing 12" water main.	1	Each	8,000 -	8,000 -

**SECTION 00400
BID FORM**

SECTION 00400**BID FORM**

Bid Item	Description	Quantity	Units	Unit Cost	Price
10	8" connection to existing 6" flanged valve.	1	Each	5,000 -	5,000 -
11	Install 12" resilient wedge gate valve.	2	Each	3,250 -	6,500 -
12	Install 8" resilient wedge gate valve.	4	Each	2,500 -	10,000 -
13	Install 6" resilient wedge gate valve.	3	Each	2,000 -	6,000 -
14	Install dry barrel steamer fire hydrant.	3	Each	10,000 -	30,000 -
15	Install concrete fire hydrant access pad.	2	Each	800 -	1,600 -
16	Install 1" water service with curb stop.	12	Each	4,000 -	48,000 -
17	Remove existing steamer fire hydrant.	2	Each	1,500 -	3,000 -
18	Remove existing tee and valve(s).	1	Each	3,000 -	3,000 -
19	Remove Valve Box.	3	Each	400 -	1,200 -
20	4" Asphaltic Concrete (AC) paving restoration.	8888	Square Feet	7.00	62,216
21	Landscape restoration.	2287	Square Feet	1.00	2,287 -

Bidders must provide pricing for every bid item.

The estimated quantities for unit price items are for purposes of comparing bids only and the District makes no representation that the actual quantities of work performed will not vary from the estimates.

In case of discrepancy between the unit price and the line item cost set forth for a unit price item, the line item cost, calculated at the unit price multiplied by the estimated quantity, shall prevail and shall be utilized as the basis for determining the lowest responsive, responsible bidder. However, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, or is the same amount as the entry in the "Line Item Cost" column, then the amount set forth in the "Line Item Cost" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price. If any of the above discrepancies exist, the District may recalculate the bid price on the basis of the unit price and the bidder agrees to be bound by such recalculation. Final payment for unit price

SECTION 00400**BID FORM**

SECTION 00400
BID FORM

items shall be determined by the Engineer from measured quantities of work performed based upon the unit price.

TOTAL BID PRICE (BASED ON BID SCHEDULE TOTAL OF UNIT PRICES):

\$ 427,833.00
Total Bid Price in Numbers

Four hundred twenty seven thousand eight hundred thirty three and no cents
Total Bid Price in Written Form

In case of discrepancy between the written price and the numerical price, the written price shall prevail.

The undersigned agrees that the bid accompanied by this Bid Form constitutes a firm offer to the District which cannot be withdrawn for the number of calendar Days indicated in the Notice Inviting Bids from and after the bid opening, or until a Contract for the Work is fully executed by the District and a third party, whichever is earlier.

If the Contract Documents specify alternate bid items, the Alternate Additive or Deductive Bid amounts shall be added to or deducted from the Total Bid Price at the District's sole option. The District can choose to include one or more of the Alternate Bids in the Project. If any of the Alternate Bids are selected by the District, the resulting amount shall be added to or deducted from Total Bid Price for the Project. The District may select one or more of the Alternate Bids at the stated Bid Price up to sixty (60) Days following award of the Contract. The District can award/select Alternate Bid items at any time(s).

The Contract duration shall commence on the date stated in the District's Notice to Proceed, and shall be completed by the Contractor in the time specified in the Contract Documents. In no case shall the Contractor commence construction prior to the date stated in the District's Notice to Proceed, or before providing the required bonds and evidence of insurance.

Bidder certifies that it is licensed in accordance with the law providing for the registration of Contractors, License No. 383999, Expiration Date 11/30/25, class of license A. Bidder certifies that it and all sub-contractors are registered with the Department of Industrial Relations to perform public work, Registration No. 1000015250 (provide DIR for all sub-contractors, separate pages may be attached as needed). If the bidder is a joint venture, each member of the joint venture must include the above information.

The undersigned acknowledges understanding and full consideration of any issued addenda to the Contract Documents.

1. Attached is the required bid security in the amount of not less than 10% of the Total Bid Price.

SECTION 00400
BID FORM

SECTION 00400
BID FORM

2. Attached is the fully executed Non-Collusion Declaration form.
3. Attached is the completed Designation of Subcontractors form.
4. Attached is the completed Bidder Information Form.
5. Attached is the completed Iran Contracting Act Certification.
6. Attached is the completed Fleet Compliance Certification form.
7. Attached is the completed Contractor's Certificate Regarding Workers' Compensation form.

I hereby certify under penalty of perjury under the laws of the State of California, that all of the information submitted in connection with this Bid and all of the representations made herein are true and correct.

Name of Bidder Rawles Engineering Inc
Signature C. Rawles
Name and Title Carrie Rawles President
Dated 11/4/20

END OF BID FORM

SECTION 00400
BID FORM

SECTION 00405
CONTRACTOR'S CERTIFICATE REGARDING WORKERS' COMPENSATION

CONTRACTOR'S CERTIFICATE REGARDING WORKERS' COMPENSATION

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract.

Name of Bidder Rawles Engineering Inc

Signature C Rawles

Name Carne Rawles

Title President

Dated 11/4/24

END OF CONTRACTOR'S CERTIFICATE REGARDING WORKERS' COMPENSATION

SECTION 00410
BID BOND

BID BOND

The makers of this bond are, Rawles Engineering, Inc.,
as Principal, and Western Surety Company, as
Surety and are held and firmly bound unto Citrus Heights Water District, hereinafter called
the District, in the penal sum of TEN PERCENT (10%) OF THE TOTAL BID PRICE of the
Principal submitted to District for the work described below, for the payment of which sum
in lawful money of the United States, well and truly to be made, we bind ourselves, our
heirs, executors, administrators, successors and assigns, jointly and severally, firmly by
these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the
Principal has submitted the accompanying bid dated November 7, 2024, for _____
Minnesota Drive Water Main Project
(INSERT PROJECT NAME).

If the Principal does not withdraw its bid within the time specified in the
Contract Documents; and if bid is rejected or, in the alternate, the Principal is awarded
the Contract, signs the Contract and provides all documents to the District as required by
the Contract Documents; then this obligation shall be null and void. Otherwise, this bond
will remain in full force and effect and upon default of the Principal shall be forfeited to the
District, it being expressly understood and agreed that the liability of the Surety for any
and all default of the Principal shall be the amount of this obligation as herein stated, as
liquidated damages.

Surety, for value received, hereby stipulates and agrees that no change,
extension of time, alteration or addition to the terms of the Contract Documents shall
affect its obligation under this bond, and Surety does hereby waive notice of any such
changes.

IN WITNESS WHEREOF, the above-bound parties have executed this
instrument under their several seals this 21 Day of October, 2024, the name
and corporate seal of each corporation.

(Corporate Seal)

Rawles Engineering, Inc.
Contractor/ Principal

By [Signature]
Title President

Western Surety Company

(Corporate Seal)

Surety

By [Signature]
Attorney-in-Fact

(Attach Attorney-in-Fact Certificate)

Title _____
Elizabeth Collodi, Attorney-in-Fact
CNA Surety/Western Surety Company
151 N. Franklin Street, 17th Floor
Chicago, IL 60606

SECTION 00410
BID BOND

Notary Acknowledgment

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

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20____, before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory

Name(s) of Signer(s)

evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

DESCRIPTION OF ATTACHED DOCUMENT

- ☐ Individual
☐ Corporate Officer

Title(s)

Title or Type of Document

- ☐ Partner(s) ☐ Limited
 ☐ General

Number of Pages

- ☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Date of Document

Signer is representing:
Name Of Person(s) Or Entity(ies)

Signer(s) Other Than Named Above

ACKNOWLEDGMENT

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

State of California

County of Butte)

On October 21, 2024 before me, Sara Walliser, Notary Public
(insert name and title of the officer)

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

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

WITNESS my hand and official seal.

Signature 

(Seal)



Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

John Hopkins, Steve Williams, Joseph H Weber, Renee Ramsey, Elizabeth Collodi, Mindy Whitehouse, John Weber, Sara Walliser, Jennifer Lakmann, Jessica Monlux, Samantha Watkins, Deanna Quintero, Bill Rapp, Jason March, Matthew Foster, Tony Clark, Brad Espinosa, Paula Senna, Pam Sey, Breanna Boatright, Kathleen Le, Phil Watkins, Sharon Smith, Cassandra Medina, Individually

of Chico, CA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 30th day of March, 2024.



WESTERN SURETY COMPANY

Larry Kasten, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 30th day of March, 2024, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

March 2, 2026



M. Bent, Notary Public

CERTIFICATE

I, Paula Kolsrud, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 21st day of October, 2024.



WESTERN SURETY COMPANY

Paula Kolsrud, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

Go to www.cnasurety.com > Owner / Obligor Services > Validate Bond Coverage, if you want to verify bond authenticity.

**SECTION 00420
NON-COLLUSION DECLARATION**

NON-COLLUSION DECLARATION

TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

The undersigned declares:

I am the President of Rawles Engineering Inc the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 11/4/24 [date], at 109 Nakoma St Folsom [city],
[state].

Carrie Rawles
(Signature) Carrie Rawles
(Print Name) President
(Print Title) 11/4/24
(Date)

END OF NON-COLLUSION DECLARATION

**SECTION 00420
NON-COLLUSION DECLARATION**

CONTRACTOR INFORMATION AND EXPERIENCE FORM

NOTE: Where Bidder is a joint venture, pages shall be duplicated and information provided for all parties to the joint venture.

1.0 Name of Bidder: Rawles Engineering Inc

2.0 Type, if Entity: _____

3.0 Bidder Address: 109 Natoma St Folsom CA 95620
PO Box 5 Folsom CA 95603

916 351 1304
Facsimile Number

916 351 1302
Telephone Number

4.0 How many years has Bidder's organization been in business as a Contractor? 45 years

5.0 How many years has Bidder's organization been in business under its present name? 45 years

5.1 Under what other or former names has Bidder's organization operated?: _____

6.0 If Bidder's organization is a corporation, answer the following:

6.1 Date of Incorporation: 7/30/1979

6.2 State of Incorporation: California

6.3 President's Name: CARRIE ROWLES

6.4 Vice-President's Name(s): SCOTT Rawles

6.5 Secretary's Name: Tyler Rawles

SECTION 00430
CONTRACTOR INFORMATION AND EXPERIENCE FORM

6.6 Treasurer's Name: Ryan Rawles

7.0 If an individual or a partnership, answer the following:

7.1 Date of Organization:

7.2 Name and address of all partners (state whether general or limited partnership):

8.0 If other than a corporation or partnership, describe organization and name principals:

9.0 List other states in which Bidder's organization is legally qualified to do business. California

10.0 What type of work does the Bidder normally perform with its own forces?

all work

11.0 Has Bidder ever failed to complete any work awarded to it? If so, note when, where, and why:

no

12.0 Within the last five years, has any officer or partner of Bidder's organization ever been an officer or partner of another organization when it failed to complete a contract? If so, attach a separate sheet of explanation:

SECTION 00430
CONTRACTOR INFORMATION AND EXPERIENCE FORM

N/A

13.0 List Trade References:

- 1) Neil Tamagni, Citrus Heights Water District
- 2) Missy Pieri, " "
- 3) Tamar Dawson, " "
- 4) John Spinella, " "

14.0 List Bank References (Bank and Branch Address):

Wells Fargo Bank
any Branch

15.0 Name of Bonding Company and Name and Address of Agent:

Western Surety
Interwest Insurance VIZ Collodi
PO Box 8110 Chico CA 95927-8110

SECTION 00430
CONTRACTOR INFORMATION AND EXPERIENCE FORM

B. LIST OF CURRENT PROJECTS (Backlog) *N/A*

[**Duplicate Page if needed for listing additional current projects.**]

Project	Description of Bidder's Work	Completion Date	Cost of Bidder's Work	Contact Name/ Phone Number

SECTION 00430
CONTRACTOR INFORMATION AND EXPERIENCE FORM

C. LIST OF COMPLETED PROJECTS - LAST THREE YEARS

[**Duplicate Page if needed for listing additional completed projects.**]

Please include only those projects which are similar enough to demonstrate Bidder's ability to perform the required Work.

Project Client	Description of Bidder's Work	Period of Performance	Cost of Bidder's Work	Contact Name/ Phone Number
California American Water Company	Watermain and service Line Replacement Concrete and Paving	2 months April 2024 - June 30, 2024	± 750,000	Nate Olson 916-205-2467
Same ↑	Annual Maintenance Contract	3 years 2023-2027	± 1 million	Same ↑

SECTION 00430
CONTRACTOR INFORMATION AND EXPERIENCE FORM

SECTION 00430
CONTRACTOR INFORMATION AND EXPERIENCE FORM

Rio Linda Elverta Water District	Watermain and Service Line Replacement	2023- 2024	± 900,000	Mike Vasquez 916-53 530.682.9597
Citrus Heights Water District	Same (Chance/Landry)	2021 3 months July-Sept.	± 350k	Neil Tamaghi 916-540-6556

SECTION 00430
CONTRACTOR INFORMATION AND EXPERIENCE FORM

D. EXPERIENCE AND TECHNICAL QUALIFICATIONS QUESTIONNAIRE

Personnel:

The Bidder shall identify the key personnel to be assigned to this project in a management, construction supervision or engineering capacity.

1. List each person's job title, name and percent of time to be allocated to this project:

- Tyler and Ryan Pauls
- Superintendents / Project Managers
- 100%

2. Summarize each person's specialized education:

45 years of combined experience

3. List each person's years of construction experience relevant to the project:

Ryan Pauls 25 years
Tyler Pauls 20 years

4. Summarize such experience:

Water main Replacements, Service Line
Replacements, Drilling, Excavation, Tie Ins,
Chlorination etc.

Bidder agrees that personnel named in this Bid will remain on this Project in their designated capacities until completion of all relevant Work, unless substituted by personnel of equivalent experience and qualifications approved in advance by the District.

SECTION 00430
CONTRACTOR INFORMATION AND EXPERIENCE FORM

Additional Bidder's Statements:

If the Bidder feels that there is additional information which has not been included in the questionnaire above, and which would contribute to the qualification review, it may add that information in a statement here or on an attached sheet, appropriately marked:

Were the Best!

E. VERIFICATION AND EXECUTION

These Bid Forms shall be executed only by a duly authorized official of the Bidder:

I declare under penalty of perjury under the laws of the State of California that the foregoing information is true and correct:

Name of Bidder Rawles Engineering Inc

Signature *CR*

Name CHARLIE RAWLES

Title President

Dated 11/4/24

END OF CONTRACTOR INFORMATION AND EXPERIENCE FORM

SECTION 00440
LIST OF SUBCONTRACTORS FORM

LIST OF SUBCONTRACTORS FORM

In compliance with the Subletting and Subcontracting Fair Practices Act of the Public Contract Code of the State of California, each bidder shall set forth below: (a) the name, contractor's license number and the location of the place of business of and (b) the portion of the work which will be done by each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work in an amount in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price. Notwithstanding the foregoing, if the work involves streets and highways, then the Contractor shall list each subcontractor who will perform work or labor or render service to Contractor in or about the work in an amount in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price or \$10,000, whichever is greater. The District may, within its sole discretion, grant additional time to provide the below requested information.

If no subcontractor is specified for a portion of the Work, or if more than one subcontractor is specified for the same portion of Work, to be performed under the Contract in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price or \$10,000, whichever is greater, or if the work involves streets or highways, then the Contractor shall be deemed to have agreed that it is fully qualified to perform that Work, and that it shall perform that portion itself.

The completed form shall include a Department of Industrial Relations registration number for all subcontractors. Failure to include a registration number may cause the bid to be non-responsive.

Portion of the Work	Subcontractor	Location of Business	% of the Work	License & Registration Numbers
Saw cut	California Cut & Core	Rancho Cordova	1%	894220 1000643284
Pave	Central Valley	Rancho Cordova	1%	773404 1000001249

SECTION 00440
LIST OF SUBCONTRACTORS FORM

Portion of the Work	Subcontractor	Location of Business	% of the Work	License & Registration Numbers

Name of Bidder Rawles Engineering Inc
 Signature C Rawles
 Name and Title Carrrie Rawles President
 Dated 11/4/24

END OF LIST OF SUBCONTRACTORS FORM

**SECTION 00445
IRAN CONTRACTING ACT CERTIFICATION**

IRAN CONTRACTING ACT CERTIFICATION

(Public Contract Code section 2200 *et seq.*)

As required by California Public Contract Code section 2204, the Contractor certifies subject to penalty for perjury that the option checked below relating to the Contractor's status in regard to the Iran Contracting Act of 2010 (Public Contract Code section 2200 *et seq.*) is true and correct:

- ☒ The Contractor is not:
- (i) identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code section 2203; or
 - (ii) a financial institution that extends, for 45 Days or more, credit in the amount of \$20,000,000 or more to any other person or entity identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code section 2203, if that person or entity uses or will use the credit to provide goods or services in the energy sector in Iran.
- ☐ District has exempted the Contractor from the requirements of the Iran Contracting Act of 2010 after making a public finding that, absent the exemption, District will be unable to obtain the goods and/or services to be provided pursuant to the Contract.
- ☐ The amount of the Contract payable to the Contractor for the Work does not exceed \$1,000,000.

Signed CP Rawley

Titled President

Firm Rawley Engineering Inc

Date 11/14/24

Note: In accordance with Public Contract Code section 2205, false certification of this form shall be reported to the California Attorney General and may result in civil penalties equal to the greater of \$250,000 or twice the Contract Price, termination of the Contract and/or ineligibility to bid on contracts for three years.

END OF IRAN CONTRACTING ACT CERTIFICATION

**SECTION 00445
IRAN CONTRACTING ACT CERTIFICATION**

**SECTION 00450
FLEET COMPLIANCE CERTIFICATION**

FLEET COMPLIANCE CERTIFICATION

The California Air Resources Board ("CARB") implemented amendments to the In-Use Off-Road Diesel-Fueled Fleets Regulations ("Regulation") which are effective on January 1, 2024, and apply broadly to all self-propelled off road diesel vehicles 25 horsepower or greater and other forms of equipment used in California. A copy of the Regulation is available at <https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2022/off-roaddiesel/appa-1.pdf>. Bidders are required to comply with all CARB and Regulation requirements, including, without limitation, all applicable sections of the Regulation, as codified in Title 13 of the California Code of Regulations section 2449 et seq. throughout the term of the Project. Bidders must provide, with their Bid, copies of Bidder's and all listed subcontractors the most recent, valid Certificate of Reported Compliance ("CRC") issued by CARB.

The District is a Public Works Awarding Body, as defined under Title 13 California Code of Regulations section 2449(c)(46). Accordingly, Bidders must submit, with their Bids, a valid Certificate of Reported Compliance ("CRC") for the Bidder's and its listed subcontractors fleet (including any applicable leased equipment or vehicles). Bidder must complete and submit the Fleet Compliance Certification, on the form included in the bid package.

Contractor hereby acknowledges that they have reviewed the California Air Resources Board's policies, rules and regulations and are familiar with the requirements of Title 13, California Code of Regulations, Division 3, Chapter 9, effective on January 1, 2024 (the "Regulation"). Contractor hereby certifies, subject to penalty for perjury, that the option checked below relating to the Contractor's fleet, and/or that of their subcontractor(s) ("Fleet") is true and correct:

- ☒ The Fleet is subject to the requirements of the Regulation, and the appropriate Certificate(s) of Reported Compliance have been attached hereto.
- ☐ The Fleet is exempt from the Regulation under section 2449.1(f)(2), and a signed description of the subject vehicles, and reasoning for exemption has been attached hereto.
- ☐ Contractor and/or their subcontractor is unable to procure R99 or R100 renewable diesel fuel as defined in the Regulation pursuant to section 2449.1(f)(3). Contractor shall keep detailed records describing the normal refueling methods, their attempts to procure renewable diesel fuel and proof that shows they were not able to procure renewable diesel (i.e. third party correspondence or vendor bids).
- ☐ The Fleet is exempt from the requirements of the Regulation pursuant to section 2449(i)(4) because this Project has been deemed an Emergency, as defined under section 2449(c)(18). Contractor shall only operate the exempted vehicles in the emergency situation and records of the exempted vehicles must be maintained, pursuant to section 2449(i)(4).
- ☐ The Fleet does not fall under the Regulation or are otherwise exempted and a detailed reasoning is attached hereto.

Name of Contractor Rawles Engineering Inc

Signature Crawley

Name and Title Cherie Rawles President

Dated 11/4/24



Certificate of Reported Compliance With:

Truck and Bus Regulation

Issued to: Rawles Engineering Inc.

This certificate confirms that the fleet owner has attested under penalty of perjury that the statements and information they provided to the California Air Resources Board (CARB) are true, accurate, and complete regarding all relevant vehicles in the fleet required to show compliance. CARB hereby finds that the fleet listed has reported compliance with California Code of Regulations (CCR):

Title 13 CCR 2025 (Truck and Bus Regulation)

If CARB subsequently finds that the statements and information that have been provided are not true, accurate, and complete, this certificate shall be effectively revoked and the fleet subject to noncompliance penalties.

This certificate is valid until December 31, 2024

Jack Kitowski
Jack Kitowski
Division Chief, Mobile Source Control
Division California Air Resources Board

Printed on 2024-01-11
2 Vehicles

TRUCRS Fleet Identification
99574

To verify the authenticity of this certificate, visit
www.arb.ca.gov/msprog/onrdiescl/tblookup.php

Owner Information

Vehicle & Engine

VDECS

Compliance Snapshot

Engine Repower

Low-Use

Agricultural

Vehicle Funding

Non Standard Engine

Non Diesel Engine

Long-Term Rental

DOORS ID: 6885

Company Name: RAWLES ENGINEERING INC.

Fleet Type: Off-Road Diesel

-- DOORS Disclaimer --

Fleet Compliance Snapshot

As of Today (August 12, 2024) Refresh Fleet Data

Your fleet, as currently reported, has met the off-road regulation performance requirements through the January 1, 2024 compliance date because it has earned BACT credits that will be applied towards the required BACT amounts through the January 1, 2024 compliance date. Per regulation section 2449.1, you will need to take action prior to December 31, 2024 in order for your fleet to be in compliance on January 1, 2025.

See the Compliance Summary table below for details.

*This determination is based on the make up of your CURRENT fleet in DOORS, which includes age and horsepower of engines, retrofits (if any), vehicles sold (credits, if any), exempt vehicles such as Low-Use (if any), subfleets (if any), and other credits (if any).

Current Fleet Statistics	
Fleet Size:	Small
Number of Vehicles:	
In Fleet Average:	4
Low-Use:	0
Exempt Not Low-Use:	0
Vehicles in Funding Contracts:	0
Vehicles in Fleet:	4
Horsepower (in fleet average):	334
Total Fleet Horsepower:	334
First Compliance Date:	January 1, 2019
Next Required Compliance Date:	January 1, 2025

*** Total family horsepower is the sum of the horsepower of any parent company, subsidiary, or other fleet related to the current fleet. Click the "Show Fleet Family" option button on the reporting home page for more information.

Fleet Target and Average Emission Rates (g/bhp-hr)										
January 1, Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Target	6.5	6.2	5.7	5.1	4.5	3.9	3.3	2.7	2.1	1.5
Average	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

Beyond 2028, Fleet Target Rates will no longer decrease each year, but will still be recalculated using the final year target values to account for changes in fleet composition.

Requirements	
Your Current Fleet Average:	4.7
By using your credit, your fleet can comply through:	2024
in which case your unused credit would be:	13 hp
Required BACT for January 1, 2025:	33 hp (10% * of fleet hp at the end of 2023)

To be in compliance each year, the fleet average must be lower than or equal to the fleet target, OR the fleet must meet the required BACT amount. For more information, please see the FAQs on Fleet Average and BACT.

Compliance Summary						
Compliance Date	Begin Credit	Credit Use/Expired	End Credit	In Compliance?	Compliance Method	BACT Requirement
2019-01-01	79	0	79	yes	Optional Compliance Schedule	na

2020-01-01	79	0	79	yes	Optional Compliance Schedule	na
2021-01-01	79	0	79	yes	Optional Compliance Schedule	na
2022-01-01	79	0	79	yes	met fleet average	na
2023-01-01	79	33	46	yes	Credit Used	10% * 334 = 33
2024-01-01	46	33	13	yes	Credit Used	10% * 334 = 33
2025-01-01	13	0	13	no	Action Needed	10% * 334 = 33
2026-01-01	13	0	13	no	Action Needed	10% * 334 = 33
2027-01-01	13	0	13	no	Action Needed	10% * 334 = 33
2028-01-01*	13	0	13	no	Action Needed	10% * 334 = 33

All existing BACT credits expire after the 1/1/2028 compliance date.

Recent Year Fleet Size											
Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Fleet Size	Small	Small	Small	Small	Small	Small	Small	Small	Small	Small	Small

Optional Compliance Schedule for Fleets with 500 HP or Less					
Compliance Date	Fleet Total HP	Percent of Fleet (by hp) Which Must Have a Tier 2 or Higher Engine	Required Tier 2 or Higher Engine HP	Tier 2 or Higher Engine HP in Fleet	In Compliance?
2019-01-01	334	25%	334 x 25% = 84	110	yes
2022-01-01	334	50%	334 x 50% = 167	110	no
2026-01-01	334	75%	334 x 75% = 251	110	no
2029-01-01	334	100%	334 x 100% = 334	110	no

- View Snapshot Calculation Detail
- View Sold Vehicles With No Credit
- The Early Credit FAQ provides an explanation of the early credits (which are credits 2449.1(b)13 – 18), and shows example calculations.

If you have questions about this page, please contact ARB at doors@arb.ca.gov or call 1(877) 59-DOORS.

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SECTION 00500

CONTRACT

CONTRACT

THIS CONTRACT is made this **19th Day of November, 2024**, in the County of Sacramento, State of California, by and between the Citrus Heights Water District, hereinafter called District, and **Rawles Engineering, Inc.**, hereinafter called Contractor. The District and the Contractor for the considerations stated herein agree as follows:

ARTICLE 1. SCOPE OF WORK. The Contractor shall perform all Work within the time stipulated the Contract and shall provide all labor, materials, equipment, tools, utility services, and transportation to complete all of the Work required in strict compliance with the Contract Documents as specified in Article 5 below for the following Project:

Minnesota Drive Water Main Project

The Contractor and its surety shall be liable to the District for any damages arising as a result of the Contractor's failure to comply with this obligation.

ARTICLE 2. TIME FOR COMPLETION. Time is of the essence in the performance of the Work. The Work shall be commenced on the date stated in the District's Notice to Proceed. The Contractor shall complete all Work required by the Contract Documents within **90** calendar Days from the commencement date stated in the Notice to Proceed, herein after the Contract Time. By its signature hereunder, Contractor agrees the Contract Time for completion set forth above is adequate and reasonable to complete the Work.

ARTICLE 3. CONTRACT PRICE. The District shall pay to the Contractor as full compensation for the performance of the Contract, subject to any additions or deductions as provided in the Contract Documents, and including all applicable taxes and costs, the sum of **Four Hundred Twenty-Seven Thousand Eight Hundred Thirty-Three Dollars and Zero Cents (\$427,833.00)**, hereinafter the Contract Price. Payment shall be made as set forth in the General Conditions.

ARTICLE 4. LIQUIDATED DAMAGES. The Contractor acknowledges that the District will sustain actual damages for each and every Day completion of the Project is delayed beyond the Contract Time. Because of the nature of the Project, it would be impracticable or extremely difficult to determine the District's actual damages. Accordingly, as provided in Government Code section 53069.85, it is agreed that the Contractor will pay the District the sum of **\$500.00** for each and every calendar Day of delay in completing the Work beyond the time prescribed in the Contract Documents for finishing the Work, as Liquidated Damages and not as a penalty or forfeiture. In the event the Liquidated Damages are not paid, the Contractor agrees the District may deduct that amount from any money due or that may become due the Contractor under the Contract. This Article does not affect the District's rights to other damages or remedies specified in the Contract Documents or allowed by law.

SECTION 00500

CONTRACT

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CONTRACT

Should Contractor be inexcusably delayed in the performance of the Work, District may deduct Liquidated Damages based on its estimate of when Contractor will achieve Final Completion or other milestones. District need not wait until Final Completion to withhold Liquidated Damages from Contractor.

Liquidated Damages are not a penalty but an agreed upon estimate of the actual damages that would be sustained by the District for delay, including but not limited to loss of revenue, inconvenience to the District and the public, and increased Project administration expenses, such as extra inspection, construction management, staff time and architectural and engineering expenses. Liquidated Damages do not include actual damages the District incurs on account of claims by third parties against the District on account of any delay.

Should money due or to become due to the Contractor be insufficient to cover Liquidated Damages or other offsets due, then Contractor forthwith shall pay the remainder of the assessed liquidated damages to District.

ARTICLE 5. COMPONENT PARTS OF THE CONTRACT. The “Contract Documents” include the following documents, each of which is incorporated into this Contract by reference:

- Notice Inviting Bids
- Instructions to Bidders
- Bid Form
- Contractor’s Certificate Regarding Workers’ Compensation
- Bid Bond
- Non-Collusion Declaration form
- Contractor Information and Experience Form
- List of Subcontractors Form
- Iran Contracting Act Certification
- Fleet Compliance Certification
- Contract
- Performance Bond
- Payment Bond
- General Conditions
- Special Conditions
- General Specifications
- Special Provisions
- Construction Details
- Project Plans
- Encroachment Permit Documents
- Any other documents contained in or incorporated into the Contract

The Contractor shall complete the Work in strict accordance with all of the Contract

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CONTRACT

Documents.

All of the Contract Documents are intended to be complementary. Work required by one of the Contract Documents and not by others shall be done as if required by all. This Contract shall supersede any prior agreement of the parties.

ARTICLE 6. PROVISIONS REQUIRED BY LAW. Each and every provision of law required to be included in these Contract Documents shall be deemed to be included in these Contract Documents. The Contractor shall comply with all requirements of applicable federal, state and local laws, rules and regulations, including but not limited to, the provisions of the California Labor Code and Public Contract Code applicable to this Project.

If the Work involves federal funds, the Contractor and all its subcontractors shall comply with all requirements set forth in the attached Federal Requirements.

ARTICLE 7. INDEMNIFICATION. Contractor shall provide indemnification as set forth in the General Conditions.

ARTICLE 8. PREVAILING WAGES. Contractor shall be required to pay the prevailing rate of wages in accordance with the Labor Code which such rates shall be made available at the District's offices, 6230 Sylvan Road, Citrus Heights, California 95610, or may be obtained online at <http://www.dir.ca.gov/dlsr>. and which must be posted at the job site.

SECTION 00500
CONTRACT

IN WITNESS WHEREOF, this Contract has been duly executed by the above-named parties, on the Day and year above written.

RAWLES ENGINEERING, INC.	CITRUS HEIGHTS WATER DISTRICT
By _____	By _____
Name and Title: _____	Name and Title: <u>Hilary M. Straus, General Manager</u>
License No. <u>383999</u>	
DIR Registration No. <u>1000015250</u>	

END OF CONTRACT

SECTION 00610
PERFORMANCE BOND

PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, the Citrus Heights Water District (hereinafter referred to as "District") has awarded to _____, (hereinafter referred to as the "Contractor") _____ an agreement for _____ (hereinafter referred to as the "Project").

WHEREAS, the work to be performed by the Contractor is more particularly set forth in the Contract Documents for the Project dated _____, (hereinafter referred to as "Contract Documents"), the terms and conditions of which are expressly incorporated herein by reference; and

WHEREAS, the Contractor is required by said Contract Documents to perform the terms thereof and to furnish a bond for the faithful performance of said Contract Documents.

NOW, THEREFORE, we, _____, the undersigned Contractor and _____ as Surety, a corporation organized and duly authorized to transact business under the laws of the State of California, are held and firmly bound unto the District in the sum of _____ DOLLARS, (\$ _____), said sum being not less than one hundred percent (100%) of the total amount of the Contract, for which amount well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that, if the Contractor, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the Contract Documents and any alteration thereof made as therein provided, on its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their intent and meaning; and shall faithfully fulfill all obligations including the one-year guarantee of all materials and workmanship; and shall indemnify and save harmless the District, its officers and agents, as stipulated in said Contract Documents, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a condition precedent to the satisfactory completion of the Contract Documents, unless otherwise provided for in the Contract Documents, the above obligation shall hold good for a period of one (1) year after the acceptance of the work by District, during which time if Contractor shall fail to make full, complete, and satisfactory repair and replacements and totally protect the District from loss or damage resulting from or caused by defective materials or faulty workmanship, Surety shall undertake and faithfully fulfill all such obligations. The obligations of Surety hereunder shall continue so long as any obligation of Contractor remains. Nothing herein shall limit the District's rights or the

SECTION 00610
PERFORMANCE BOND

Contractor or Surety's obligations under the Contract, law or equity, including, but not limited to, California Code of Civil Procedure section 337.15.

Whenever Contractor shall be, and is declared by the District to be, in default under the Contract Documents, the Surety shall remedy the default pursuant to the Contract Documents, or shall promptly, at the District's option:

- (1) Take over and complete the Project in accordance with all terms and conditions in the Contract Documents; or
- (2) Obtain a bid or bids for completing the Project in accordance with all terms and conditions in the Contract Documents and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a Contract between such bidder, the Surety and the District, and make available as work progresses sufficient funds to pay the cost of completion of the Project, less the balance of the contract price, including other costs and damages for which Surety may be liable. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable to Contractor by the District under the Contract and any modification thereto, less any amount previously paid by the District to the Contractor and any other set offs pursuant to the Contract Documents.
- (3) Permit the District to complete the Project in any manner consistent with local, California and federal law and make available as work progresses sufficient funds to pay the cost of completion of the Project, less the balance of the contract price, including other costs and damages for which Surety may be liable. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable to Contractor by the District under the Contract and any modification thereto, less any amount previously paid by the District to the Contractor and any other set offs pursuant to the Contract Documents.

Surety expressly agrees that the District may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Contractor.

Surety shall not utilize Contractor in completing the Project nor shall Surety accept a bid from Contractor for completion of the Project if the District, when declaring the Contractor in default, notifies Surety of the District's objection to Contractor's further participation in the completion of the Project.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract Documents or to the Project to be performed thereunder shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or

SECTION 00610
PERFORMANCE BOND

**SECTION 00610
PERFORMANCE BOND**

addition to the terms of the Contract Documents or to the Project, including but not limited to the provisions of sections 2819 and 2845 of the California Civil Code.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ Day of _____, 20__).

(Corporate Seal)

Contractor/ Principal

By _____

Title _____

(Corporate Seal)

Surety

By _____

Attorney-in-Fact

Signatures of those signing for the Contractor and Surety must be notarized and evidence of corporate authority attached.

(Attach Attorney-in-Fact Certificate) Title _____

The rate of premium on this bond is _____ per thousand. The total amount of premium charges, \$_____.

(The above must be filled in by corporate attorney.)

THIS IS A REQUIRED FORM

Any claims under this bond may be addressed to:

(Name and Address of Surety) _____

(Name and Address of Agent or Representative for service of process in California, if different from above) _____

(Telephone number of Surety and Agent or Representative for service of process in California) _____

**SECTION 00610
PERFORMANCE BOND**

**SECTION 00610
PERFORMANCE BOND**

Notary Acknowledgment

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

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20____, before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory

Name(s) of Signer(s)

evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature of Notary Public _____

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

DESCRIPTION OF ATTACHED DOCUMENT

- ☐ Individual
☐ Corporate Officer

Title(s)

- ☐ Partner(s) ☐ Limited
 ☐ General

- ☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

Title or Type of Document

Number of Pages

Date of Document

Signer(s) Other Than Named Above

SECTION 00620
PAYMENT BOND

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS That

WHEREAS, the Citrus Heights Water District (hereinafter designated as the "District"), by action taken or a resolution passed _____, 20____ has awarded to _____ hereinafter designated as the "Principal," a contract for the work described as follows:

_____ (the "Project"); and

WHEREAS, the work to be performed by the Principal is more particularly set forth in the Contract Documents for the Project dated _____ ("Contract Documents"), the terms and conditions of which are expressly incorporated by reference; and

WHEREAS, said Principal is required to furnish a bond in connection with said contract; providing that if said Principal or any of its Subcontractors shall fail to pay for any materials, provisions, provender, equipment, or other supplies used in, upon, for or about the performance of the work contracted to be done, or for any work or labor done thereon of any kind, or for amounts due under the Unemployment Insurance Code or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of said Principal and its Subcontractors with respect to such work or labor the Surety on this bond will pay for the same to the extent hereinafter set forth.

NOW THEREFORE, we, the Principal and _____ as Surety, are held and firmly bound unto the District in the penal sum of _____ Dollars (\$_____) lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal, his or its subcontractors, heirs, executors, administrators, successors or assigns, shall fail to pay any of the persons named in Section 9100 of the Civil Code, fail to pay for any materials, provisions or other supplies, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or amounts due under the Unemployment Insurance Code with respect to work or labor performed under the contract, or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department or Franchise Tax Board from the wages of employees of the Contractor and his subcontractors pursuant to Section 18663 of the Revenue and Taxation Code, with respect to such work and labor the Surety or Sureties will pay for the same, in an amount not exceeding the sum herein above specified.

This bond shall inure to the benefit of any of the persons named in Section 9100 of the Civil Code so as to give a right of action to such persons or their assigns in any suit brought upon this bond.

It is further stipulated and agreed that the Surety on this bond shall not be exonerated or released from the obligation of this bond by any change, extension of time

**SECTION 00620
PAYMENT BOND**

for performance, addition, alteration or modification in, to, or of any contract, plans, Specifications, or agreement pertaining or relating to any scheme or work of improvement herein above described, or pertaining or relating to the furnishing of labor, materials, or equipment therefore, nor by any change or modification of any terms of payment or extension of the time for any payment pertaining or relating to any scheme or work of improvement herein above described, nor by any rescission or attempted rescission of the contract, agreement or bond, nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under any such contract or agreement or under the bond, nor by any fraud practiced by any person other than the claimant seeking to recover on the bond and that this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given, and under no circumstances shall Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between the owner or District and original Contractor or on the part of any obligee named in such bond, but the sole conditions of recovery shall be that claimant is a person described in Section 9100 of the Civil Code, and has not been paid the full amount of his claim and that Surety does hereby waive notice of any such change, extension of time, addition, alteration or modification herein mentioned and the provisions of sections 2819 and 2845 of the California Civil Code.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____
Day of _____, 20__.

(Corporate Seal)

Contractor/ Principal

By _____

Title _____

(Corporate Seal)

Surety

By _____

Attorney-in-Fact

Title _____

Signatures of those signing for the Contractor and Surety must be notified and evidence of corporate authority attached. A Power-of-Attorney authorizing the person signing on behalf of the Surety to do so much be attached hereto.

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PAYMENT BOND

Notary Acknowledgment

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

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20____, before me, _____, Notary Public, personally
appeared _____, who proved to me on the basis of satisfactory

Name(s) of Signer(s)

evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

DESCRIPTION OF ATTACHED DOCUMENT

- ☐ Individual
☐ Corporate Officer

Title(s)

- ☐ Partner(s) ☐ Limited
 ☐ General

- ☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

Title or Type of Document

Number of Pages

Date of Document

Signer(s) Other Than Named Above

SECTION 00700
GENERAL CONDITIONS

GENERAL CONDITIONS

ARTICLE 1. DEFINITIONS

- a. Acceptable, Acceptance or words of similar import shall be understood to be the acceptance of the Engineer and/or the District .
- b. Act of God is an earthquake of magnitude 3.5 or higher on the Richter scale or a tidal wave.
- c. Applicable Laws means laws, statutes, ordinances, rules, codes, regulations permits and licenses of any kind, issued by local, state or federal governmental authorities or private authorities with jurisdiction (including utilities), to the extent they apply to the Work.
- d. Approval means written authorization by Engineer and/or District .
- e. Contract Documents includes all documents as stated in the Contract.
- f. Day shall mean calendar Day unless otherwise specifically designated.
- g. District and Contractor are those stated in the Contract. The terms District, CHWD, and Owner may be used interchangeably.
- h. Engineer shall mean the District Engineer or his or her designee, of Citrus Heights Water District, acting either directly or through properly authorized agents, such as agents acting within the scope of the particular duties entrusted to them. Also sometimes referred to as the "District's Representative" or "Representative" in the Contract Documents.
- i. Equal, Equivalent, Satisfactory, Directed, Designated, Selected, As Required and similar words shall mean the written approval, selection, satisfaction, direction, or similar action of the Engineer and/or District.
- j. Indicated, Shown, Detailed, Noted, Scheduled or words of similar meaning shall mean that reference is made to the drawings, unless otherwise noted. It shall be understood that the direction, designation, selection, or similar import of the Engineer and/or District is intended, unless stated otherwise.
- k. Install means the complete installation of any item, equipment or material.
- l. Material shall include machinery, equipment, manufactured articles, or construction such as form work, fasteners, etc., and any other classes of material to be furnished in connection with the Contract. All materials shall be new unless specified otherwise.

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GENERAL CONDITIONS

SECTION 00700
GENERAL CONDITIONS

- m. Perform shall mean that the Contractor, at Contractor's expense, shall take all actions necessary to complete The Work, including furnishing of necessary labor, tools, and equipment, and providing and installing Materials that are indicated, specified, or required to complete such performance.
- n. Project is The Work planned by District as provided in the Contract Documents.
- o. Provide shall include provide complete in place, that is furnish, install, test and make ready for use.
- p. Recyclable Waste Materials shall mean materials removed from the Project site which are required to be diverted to a recycling center rather than an area landfill. Recyclable Waste Materials include asphalt, concrete, brick, concrete block, and rock. The Contractor shall coordinate with the appropriate local government agency and comply with local waste disposal ordinances.
- q. Specifications means that portion of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the work. In the case of conflict between the Specifications and the Contract Documents, the Contract Documents shall prevail.
- r. The Work means the entire improvement planned by the District pursuant to the Contract Documents.
- s. Work means labor, equipment and materials incorporated in, or to be incorporated in the construction covered by the Contract Documents.

ARTICLE 2. CONTRACT DOCUMENTS

- a. **Contract Documents.** The Contract Documents are complementary, and what is called for by one shall be as binding as if called for by all.
- b. **Interpretations.** The Contract Documents are intended to be fully cooperative and to be complementary. If Contractor observes that any documents are in conflict, the Contractor shall promptly notify the Engineer in writing. In case of conflicts between the Contract Documents, the order of precedence shall be as follows:
 - 1. Change Orders or Work Change Directives, the most recent first
 - 2. Addenda, the most recent first
 - 3. Environmental documents and approvals
 - 4. Special Provisions (or Special Conditions)
 - 5. Technical Specifications
 - 6. Plans (Contract Drawings)
 - 7. Contract
 - 8. General Conditions

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GENERAL CONDITIONS

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GENERAL CONDITIONS

9. Instructions to Bidders
10. Notice Inviting Bids
11. Contractor's Bid Forms
12. Standard Specifications/Greenbook
13. Standard Plans
14. Reference Documents

With reference to the Drawings, the order of precedence shall be as follows:

1. Figures govern over scaled dimensions
 2. Detail drawings govern over general drawings
 3. Addenda or Change Order drawings govern over Contract Drawings
 4. Contract Drawings govern over Standard Drawings
 5. Contract Drawings govern over Shop Drawings
- c. **Conflicts in Contract Documents.** Notwithstanding the orders of precedence established above, in the event of conflicts, the higher standard shall always apply.
- d. **Organization of Contract Documents.** Organization of the Contract Documents into divisions, sections, and articles, and arrangement of drawings shall not control the Contractor in dividing The Work among subcontractors or in establishing the extent of Work to be performed by any trade.

ARTICLE 3. CONTRACTS DOCUMENTS: COPIES & MAINTENANCE

Contractor will be furnished, free of charge, **3 (three)** copies of the Contract Documents. Additional copies may be obtained at cost of reproduction.

ARTICLE 4. CONTRACTOR SHALL MAINTAIN A CLEAN, UNDAMAGED SET OF CONTRACT DOCUMENTS AT THE PROJECT SITE.

- a. **Examination of Contract Documents.** Before commencing any portion of The Work, Contractor shall again carefully examine all applicable Contract Documents, the Project site and other information given to Contractor as to materials and methods of construction and other Project requirements. Contractor shall immediately notify the Engineer in writing of any potential error, inconsistency, ambiguity, conflict or lack of detail or explanation. If Contractor performs, permits, or causes the performance of any Work which is in error, inconsistent or ambiguous, or not sufficiently detailed or explained, Contractor shall bear any and all resulting costs, including, without limitation, the cost of correction. In no case shall the Contractor or any subcontractor proceed with Work if uncertain as to the applicable requirements.
- b. **Request for Information; Additional Instructions.** Contractor may make a written request for information to address any error, inconsistency, ambiguity, conflict or lack of detail or explanation in the Contract Documents. The Engineer

SECTION 00700
GENERAL CONDITIONS

will provide any required additional instructions, by means of drawings or other written direction, necessary for proper execution of Work.

- c. **Quality of Parts, Construction and Finish.** All parts of The Work shall be of the best quality of their respective kinds and the Contractor must use all diligence to inform itself fully as to the required construction and finish. In no case shall Contractor proceed with The Work without obtaining first from the Engineer such written Approval as may be necessary for the proper performance of Work.
- d. **Contractor's Variation from Contract Document Requirements.** If it is found that the Contractor has varied from the requirements of the Contract Documents including the requirement to comply with all Applicable Laws, ordinances, rules and regulations, the Engineer may at any time, before or after completion of the Work, order the improper Work removed, remade or replaced by the Contractor at the Contractor's expense.

ARTICLE 5. EXISTENCE OF UTILITIES AT THE WORK SITE

a. **Existing Utilities**

- i. General – Known existing utilities and pipelines are shown on the Plans in their approximate locations. However, nothing herein shall be deemed to require the District to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities can be inferred from the presence of other visible facilities, such as buildings, cleanouts, meter and junction boxes, on or adjacent to the site of the Project.
- ii. The District will assume the responsibility for the timely removal, relocation, or protection of existing main or trunk line utility facilities located on the Project site if such utilities are not identified by the District in the Contract Documents or cannot reasonably be inferred from the presence of other visible facilities.

b. **Utility Location**

- i. It shall be the Contractor's responsibility to determine the exact location and depth of all utilities, including service connections, which have been marked by the respective utility owners and which the Contractor believes may affect or be affected by the Contractor's operations. The Contractor shall not be entitled to additional compensation or time extensions for work necessary to avoid interferences or for repair to damaged utilities if the Contractor does not expose all such existing utilities as required by this section.

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GENERAL CONDITIONS

- ii. The locating of utilities shall be in conformance with Government Code section 4216 except for the District's utilities located on the District's property and not in public right-of-way.
- iii. A "High Priority Subsurface Installation" is defined in section 4216 (e) as "high-pressure natural gas pipelines with normal operating pressures greater than 415kPA gauge (60psig) or greater than six inches nominal pipe diameter, petroleum pipelines, pressurized sewage pipelines, high-voltage electric supply lines, conductors, or cables that have a potential to ground of greater than or equal to 60kv, or hazardous materials pipelines that are potentially hazardous to workers or the public if damaged."
- iv. A "Subsurface Installation" is defined in section 4216 (l) as "any underground pipeline, conduit, duct, wire, or other structure, except non-pressurized sewer lines, non-pressurized storm drains, or other non-pressurized drain lines."
- v. Pursuant to Government Code section 4216.2 the Contractor shall contact the appropriate regional notification center at least two (2) working Days but not more than fourteen (14) Days before performing any excavation. The Contractor shall request that the utility owners conduct a utility survey and mark or otherwise indicate the location of their service. The Contractor shall furnish to the District written documentation of its contact(s) with the regional notification center prior to commencing excavation at such locations.
- vi. After the utility survey is completed, the Contractor shall commence "potholing" or hand digging to determine the actual location of the pipe, duct, or conduit. The District shall be given written notice prior to commencing potholing operations. The Contractor shall uncover all piping and conduits, to a point one (1) foot below the pipe, where crossings, interferences, or connections are shown on the Drawings, prior to trenching or excavating for any pipe or structures, to determine actual elevations. New pipelines shall be laid to such grade as to clear all existing facilities, which are to remain in service for any period subsequent to the construction of the run of pipe involved.
- vii. The Contractor's attention is directed to the requirements of Government Code section 4216.2 (a)(2) which provides: "When the excavation is proposed within 10 feet of a high priority subsurface installation, the operator of the high priority subsurface installation shall notify the excavator of the existence of the high priority subsurface installation prior to the legal excavation start date and time, as such date and time are authorized pursuant to paragraph (1) of subdivision (a) of section 4216.2. The excavator and the operator or its representative shall conduct an onsite

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meeting at a mutually-agreed-on time to determine actions or activities required to verify the location of the high priority subsurface installation prior to start time.” The Contractor shall notify the District in advance of this meeting.

c. Utility Relocation and Repair

- i. If interferences occur at locations other than those indicated in the Contract Documents with reasonable accuracy, Contractor shall notify the District in writing.
- ii. Care shall be exercised by the Contractor to prevent damage to adjacent existing facilities and public or private works; where equipment will pass over these obstructions, suitable planking shall be placed. If high priority subsurface installations are damaged and the operator cannot be contacted, Contractor shall call 911 emergency services.
- iii. District will compensate the Contractor for the costs of locating and repairing damage not due to the failure of the Contractor to exercise reasonable care, and for removing or relocating such main or trunk line utility facilities not indicated in the Contract Documents with reasonable accuracy, and for the cost of equipment on the Project necessarily idled during such work. The payment for such costs will be made as provided in ARTICLE 46 (Changes and Extra Work). The Contractor shall not be assessed liquidated damages for delay in completion of the Project when such delay is caused by the failure of the District or utility company to provide for removal or relocation of such utility facilities. Requests for extensions of time arising out of utility relocation or repair delays shall be filed in accordance with ARTICLE 46.
- iv. The public utility, where they are the owner of the affected utility, shall have the sole discretion to perform repairs or relocation work or permit the Contractor to do such repairs or relocation work at a reasonable price. The right is reserved to the District and the owners of utilities or their authorized agents to enter upon the Work area for the purpose of making such changes as are necessary for the rearrangement of their facilities or for making necessary connections or repairs to their properties. The Contractor shall cooperate with forces engaged in such work and shall conduct its operations in such a manner as to avoid any unnecessary delay or hindrance to the work being performed by such forces and shall allow the respective utilities time to relocate their facility.
- v. When the Contract Documents indicate that a utility is to be relocated, altered or constructed by others, the District will conduct all negotiations with the utility company and the work will be done at no cost to the Contractor, unless otherwise stipulated in the Contract.

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- vi. Temporary or permanent relocation or alteration of utilities desired by the Contractor for its own convenience shall be the Contractor's responsibility and it shall make arrangements and bear all costs for such work.

ARTICLE 6. SCHEDULE

- a. **General Requirements.** The schedule shall be prepared in a Critical Path Method ("CPM") format and in an electronic scheduling program acceptable to the District. Contractor shall deliver the schedule and all updates to the District in both paper and electronic form. The electronic versions shall be in the format and include all data used to prepare the schedule; pdf. Copies are not acceptable.
- b. **Initial Schedule.** Within ten (10) Days after the issuance of the Notice to Proceed, Contractor shall prepare a schedule for the performance of the Work and shall submit this to the Engineer for Approval. The receipt or Approval of any schedules by the Engineer or the District shall not in any way relieve the Contractor of its obligations under the Contract Documents. The Contractor is fully responsible to determine and provide for any and all staffing and resources at levels which allow for good quality and timely completion of the Project. Contractor's failure to incorporate all elements of Work required for the performance of the Contract or any inaccuracy in the schedule shall not excuse the Contractor from performing all Work required for a completed Project within the specified Contract time period. If the required schedule is not received by the time the first payment under the Contract is due, Contractor shall not be paid until the schedule is received, reviewed and accepted by the Engineer.
- c. **Schedule Contents.** The schedule shall allow enough time for inclement weather that can reasonably be expected at the Site. The schedule shall indicate the beginning and completion dates of all phases of construction; critical path for all critical, sequential time related activities; and "float time" for all "slack" or "gaps" in the non-critical activities. The schedule shall clearly identify all staffing and other resources which in the Contractor's judgment are needed to complete the Project within the Contract Time. Schedule duration shall match the Contract Time. Schedules indicating early completion will be rejected.
- d. **Schedule Updates.** Contractor shall continuously update its construction schedule to show the actual status of the Work and incorporate changes in the Work. Contractor shall submit an updated and accurate construction schedule to the Engineer whenever requested to do so by Engineer and with each progress payment request. The Engineer may withhold progress payments or other amounts due under the Contract Documents if Contractor fails to submit an updated and accurate construction schedule.

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ARTICLE 7. SUBSTITUTIONS

- a. Pursuant to Public Contract Code Section 3400(b) the District may make a finding that is described in the invitation for bids that designates certain products, things, or services by specific brand or trade name.
- b. Unless specifically designated in the Contract Documents, whenever any material, process, or article is indicated or specified by grade, patent, or proprietary name or by name of manufacturer, such Specifications shall be deemed to be used for the purpose of facilitating the description of the material, process or article desired and shall be deemed to be followed by the words "or equal." Contractor may, unless otherwise stated, offer for substitution any material, process or article which shall be substantially equal or better in every respect to that so indicated or specified in the Contract Documents. However, the District may have adopted certain uniform standards for certain materials, processes and articles.
- c. Contractor shall submit written requests, together with substantiating data, for substitution of any "or equal" material, process or article no later than thirty-five (35) Days after award of the Contract. To facilitate the construction schedule and sequencing, some requests may need to be submitted before thirty-five (35) Days after award of Contract. Provisions regarding submission of "or equal" requests shall not in any way authorize an extension of time for performance of this Contract. If a proposed "or equal" substitution request is rejected, Contractor shall be responsible for providing the specified material, process or article without adjustment to the Contract Price or Contract Time. The burden of proof as to the equality of any material, process or article shall rest with the Contractor. The District has the complete and sole discretion to determine if a material, process or article is an "or equal" material, process or article that may be substituted.
- d. Data required to substantiate requests for substitutions of an "or equal" material, process or article data shall include a signed affidavit from the Contractor stating that, and describing how, the substituted "or equal" material, process or article is equivalent to that specified in every way except as listed on the affidavit. Substantiating data shall include any and all illustrations, Specifications, and other relevant data including catalog information which describes the requested substituted "or equal" material, process or article, and substantiates that it is an "or equal" to the material, process or article. The substantiating data must also include information regarding the durability and lifecycle cost of the requested substituted "or equal" material, process or article. Failure to submit all the required substantiating data, including the signed affidavit, to the District in a timely fashion will result in the rejection of the proposed substitution.
- e. The Contractor shall bear all of the District's costs associated with the review of substitution requests.

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- f. The Contractor shall be responsible for all costs related to a substituted “or equal” material, process or article.
- g. Contractor is directed to the Special Conditions (if any) to review any findings made pursuant to Public Contract Code section 3400.

ARTICLE 8. SHOP DRAWINGS

- a. Contractor shall check and verify all field measurements and shall submit with such promptness as to provide adequate time for review and cause no delay in his own Work or in that of any other contractor, subcontractor, or worker on the Project, three (3) hard copies and one electronic copy of all shop or setting drawings, calculations, schedules, and materials list, and all other provisions required by the Contract. Contractor shall sign all submittals affirming that submittals have been reviewed and approved by Contractor prior to submission to Engineer. Each signed submittal shall affirm that the submittal meets all the requirements of the Contract Documents except as specifically and clearly noted and listed on the cover sheet of the submittal.
- b. Contractor shall make any corrections required by the Engineer, and file with the Engineer three (3) hard copies and one electronic copy each, and furnish such other copies as may be needed for completion of the Work. Engineer’s approval of shop drawings shall not relieve Contractor from responsibility for deviations from the Contract Documents unless Contractor has, in writing, called Engineer’s attention to such deviations at time of submission and has secured the Engineer’s written Approval. Engineer’s Approval of shop drawings shall not relieve Contractor from responsibility for errors in shop drawings.

ARTICLE 9. SUBMITTALS

- a. Contractor shall furnish to the Engineer for approval, prior to purchasing or commencing any Work, a log of all samples, material lists and certifications, mix designs, schedules, and other submittals, as required in the Specifications. The log shall indicate whether samples will be provided in accordance with other provisions of this Contract.
- b. Contractor will provide samples and submittals, together with catalogs and supporting data required by the Engineer, to the Engineer within a reasonable time period to provide for adequate review and avoid delays in the Work.
- c. These requirements shall not authorize any extension of time for performance of this Contract. Engineer will check and approve such samples, but only for conformance with design concept of work and for compliance with information given in the Contract Documents. Work shall be in accordance with approved samples and submittals.

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- d. Contractor shall not be entitled to any extension of the Contract Time on account of the requirements of ARTICLE 9.

ARTICLE 10. MATERIALS

- a. Except as otherwise specifically stated in the Contract Documents, Contractor shall provide and pay for all materials, labor, tools, equipment, water, lights, power, transportation, superintendence, temporary constructions of every nature, and all other services and facilities of every nature whatsoever necessary to execute and complete this Contract within the Contract Time.
- b. Unless otherwise specified, all materials shall be new and the best of their respective kinds and grades as noted and/or specified, and workmanship shall be of good quality.
- c. Materials shall be furnished in ample quantities and at such times as to ensure uninterrupted progress of The Work and shall be stored properly and protected as required by the Contract Documents. Contractor shall be entirely responsible for damage or loss by weather or other causes to materials or Work.
- d. No materials, supplies, or equipment for Work under this Contract shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. Contractor warrants good title to all material, supplies, and equipment installed or incorporated in the work and agrees upon completion of all work to deliver the Project, to the District free from any claims, liens, or charges.
- e. Materials shall be stored on the Project site in such manner so as not to interfere with any operations of the District or any independent contractor.

ARTICLE 11. CONTRACTOR'S SUPERVISION

Contractor shall continuously keep at the Project site, a competent and experienced full-time Project superintendent approved by the District. Superintendent must be able to proficiently speak, read and write in English. Contractor shall continuously provide efficient supervision of the Project.

ARTICLE 12. WORKERS

- a. Contractor shall at all times enforce strict discipline and good order among its employees and subcontractors. Contractor shall not employ or allow subcontractors to employ on the Project any unfit person or any one not skilled in the Work assigned to him or her.

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- b. Any person in the employ of the Contractor whom the District may deem incompetent or unfit shall be dismissed from The Work and shall not be employed on this Project except with the written Approval of the District.

ARTICLE 13. SUBCONTRACTORS

- a. Contractor agrees to bind every subcontractor to the terms of the Contract Documents as far as such terms are applicable to subcontractor's portion of The Work. Contractor shall be as fully responsible to the District for the acts and omissions of its subcontractors and of persons either directly or indirectly employed by its subcontractors, as Contractor is for acts and omissions of persons directly employed by Contractor. Nothing contained in these Contract Documents shall create any contractual relationship between any subcontractor and the District.
- b. The District reserves the right to Approve all subcontractors. The District's Approval of any subcontractor under this Contract shall not in any way relieve Contractor of its obligations in the Contract Documents.
- c. Prior to substituting any subcontractor listed in the Bid Forms, Contractor must comply with the requirements of the Subletting and Subcontracting Fair Practices Act pursuant to California Public Contract Code section 4100 et seq.

ARTICLE 14. VERIFICATION OF EMPLOYMENT ELIGIBILITY

By executing this Contract, Contractor verifies that it fully complies with all requirements and restrictions of state and federal law respecting the employment of undocumented aliens, including, but not limited to, the Immigration Reform and Control Act of 1986, as may be amended from time to time, and shall require all subcontractors, sub-subcontractors and consultants to comply with the same. Each person executing this Contract on behalf of Contractor verifies that he or she is a duly authorized officer of Contractor and that any of the following shall be grounds for the District to terminate the Contract for cause: (1) failure of the Contractor or its subcontractors, sub-subcontractors or consultants to meet any of the requirements provided for in this ARTICLE 14; (2) any misrepresentation or material omission concerning compliance with such requirements; or (3) failure to immediately remove from the Work any person found not to be in compliance with such requirements.

ARTICLE 15. PERMITS AND LICENSES

Permits and licenses necessary for prosecution of The Work shall be secured and paid for by Contractor, unless otherwise specified in the Contract Documents.

- a. Contractor shall obtain and pay for all other permits and licenses required for The Work, including excavation permit and permits for plumbing, mechanical and

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electrical work and for operations in or over public streets or right of way under jurisdiction of public agencies other than the District.

- b. The Contractor shall arrange and pay for all off-site inspection of the Work related to permits and licenses, including certification, required by the Specifications, drawings, or by governing authorities, except for such off-site inspections delineated as the District's responsibility pursuant to the Contract Documents.
- c. Before Acceptance of the Project, the Contractor shall submit all licenses, permits, certificates of inspection and required approvals to the District.

ARTICLE 16. UTILITY USAGE

- a. All temporary utilities, including but not limited to electricity, water, gas, and telephone, used on the Work shall be furnished and paid for by Contractor. Contractor shall Provide necessary temporary distribution systems, including meters, if necessary, from distribution points to points on The Work where the utility is needed. Upon completion of The Work, Contractor shall remove all temporary distribution systems.
- b. Contractor shall provide necessary and adequate utilities and pay all costs for water, electricity, gas, oil, and sewer charges required for completion of the Project, including but not limited to startup and testing required in the Contract Documents.
- c. All permanent meters Installed shall be listed in the Contractor's name until Project Acceptance.
- d. If the Contract is for construction in existing facilities, Contractor may, with prior written Approval of the District, use the District's existing utilities. If Contractor uses District utilities, it shall compensate the District for utilities used by Contractor.

ARTICLE 17. INSPECTION FEES FOR PERMANENT UTILITIES

All inspection fees and other municipal charges for permanent utilities including, but not limited to, sewer, electrical, phone, gas, water, and irrigation shall be paid for by the District. Contractor shall be responsible for arranging the payment of such fees, but inspection fees and other municipal fees relating to permanent utilities shall be paid by the District. Contractor may either request reimbursement from the District for such fees, or shall be responsible for arranging and coordination with District for the payment of such fees.

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ARTICLE 18. TRENCHES

- a. Trenches Five Feet or More in Depth. The Contractor shall submit to the District, in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground during the excavation of any trench or trenches five feet or more in depth. If the plan varies from shoring system standards, the plan shall be prepared by a registered civil or structural engineer. The plan shall not be less effective than the shoring, bracing, sloping, or other provisions of the Construction Safety Orders, as defined in the California Code of Regulations, and all costs therefor shall be included in the Contract Price. Nothing in this section shall be deemed to allow the use of a shoring, bracing, sloping or other protective system less effective than that required by the Construction Safety Orders. Nothing in this section shall be construed to impose a tort liability on the owner, any of its officers, officials, partners, employees, agents, consultants or volunteers. The Owner's review of the Contractor's excavation plan is only for general conformance to the Construction Safety Orders and does not relieve the Contractor of any obligation hereunder. Prior to commencing any excavation, the Contractor shall designate in writing to the District the "competent person(s)" with authority and responsibilities designated in the Construction Safety Orders.
- b. Excavations Deeper than Four Feet. If work under this Contract involves digging trenches or other excavation that extends deeper than four feet below the surface, Contractor shall promptly, and before the following conditions are disturbed, notify the District, in writing, of any:
- 1) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
 - 2) Subsurface or latent physical conditions at the site differing from those indicated by information made available to bidders prior to the deadline for submitting bids.
 - 3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

The District shall promptly investigate the conditions, and if it finds that the conditions do so materially differ, or do involve hazardous waste, and cause a decrease or increase in Contractor's cost of, or the time required for, performance of any part of The Work, shall issue a change order under the procedures described in the Contract Documents.

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In the event that a dispute arises between the District and the Contractor as to whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of The Work, the Contractor shall not be excused from any scheduled completion date provided for by the Contract, but shall proceed with all Work to be performed under the Contract. Contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the parties.

ARTICLE 19. DIVERSION OF RECYCLABLE WASTE MATERIALS

In compliance with the applicable District's waste reduction and recycling efforts, Contractor shall divert all Recyclable Waste Materials to appropriate recycling centers. Contractor will be required to submit weight tickets and written proof of diversion with its monthly progress payment requests. Contractor shall complete and execute any certification forms required by District or other applicable agencies to document Contractor's compliance with these diversion requirements. All costs incurred for these waste diversion efforts shall be the responsibility of the Contractor. The Contractor shall coordinate with the appropriate local government agency and comply with local waste disposal ordinances.

ARTICLE 20. REMOVAL OF HAZARDOUS MATERIALS

Should Contractor encounter material reasonably believed to be polychlorinated biphenyl (PCB) or other toxic wastes and hazardous materials (as defined in section 25117 of the Health and Safety Code) which have not been rendered harmless at the Project site, the Contractor shall immediately stop work at the affected Project site and shall report the condition to the District in writing. The District shall contract for any services required to directly remove and/or abate PCBs and other toxic wastes and hazardous materials, if required by the Project site(s), and shall not require the Contractor to subcontract for such services. The Work in the affected area shall not thereafter be resumed except by written agreement of the District and Contractor.

ARTICLE 21. SANITARY FACILITIES

Contractor shall provide sanitary temporary toilet buildings for the use of all workers. All toilets shall comply with local codes and ordinances. Toilets shall be kept supplied with toilet paper and shall have workable door fasteners. Toilets shall be serviced no less than once weekly and shall be present in a quantity of not less than 1 per 20 workers as required by CAL-OSHA regulation. The toilets shall be maintained in a sanitary condition at all times. Use of toilet facilities in The Work under construction shall not be permitted. Any other Sanitary Facilities required by CAL-OSHA shall be the responsibility of the Contractor.

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ARTICLE 22. AIR POLLUTION CONTROL

Contractor shall comply with all air pollution control rules, regulations, ordinances and statutes. All containers of paint, thinner, curing compound, solvent or liquid asphalt shall be labeled to indicate that the contents fully comply with the applicable material requirements. Without limiting the foregoing, Contractor must fully comply with all Applicable Laws, rules and regulations in furnishing or using equipment and/ or providing services, including but not limited to, emissions limits and permitting requirements imposed by the Air Quality Management District with jurisdiction over the Project and/ or California Air Resources Board (CARB). Contractor shall specifically be aware of the application of these limits and requirements to "portable equipment" which definition is considered to include any item of equipment with a fuel-powered engine. Contractor shall indemnify District against any fines or penalties imposed by the air quality management district, CARB, or any other governmental or regulatory agency for its violations of Applicable laws as well as those of its subcontractors or others for whom Contractor is responsible under its indemnity obligations provided for in ARTICLE 48.

ARTICLE 23. COMPLIANCE WITH STATE STORM WATER PERMIT

- a. Contractor shall be required to comply with all conditions of the State Water Resources Control Board ("State Water Board") Water Quality Order No. 2009-00009-DWQ as modified by Order No. 2010-0014-DWQ, National Pollutant Discharge Elimination System General Permit for Waste Discharge Requirements for Discharges of Storm Water Discharges Associated with Construction Activity ("Permit") for all construction activity which results in the disturbance of in excess of one acre of total land area or which is part of a larger common area of development or sale. Contractor shall be responsible for filing the Notice of Intent and for obtaining the Permit. Contractor shall be solely responsible for preparing and implementing a Storm Water Pollution Prevention Plan ("SWPPP") prior to initiating Work. In bidding on this Contract, it shall be Contractor's responsibility to evaluate the cost of procuring the Permit and preparing the SWPPP as well as complying with the SWPPP and any necessary revision to the SWPPP. Contractor shall comply with all requirements of the State Water Resources Control Board. Contractor shall include all costs of compliance with specified requirements in the Contract amount.
- b. Contractor shall be responsible for procuring, implementing and complying with the provisions of the Permit and the SWPPP, including the standard provisions, monitoring and reporting requirements as required by the Permit. Contractor shall provide copies of all reports and monitoring information to the Engineer.
- c. Contractor shall comply with the lawful requirements of any applicable municipality, the District, drainage District, and other local agencies regarding discharges of storm water to separate storm drain system or other watercourses under their

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jurisdiction, including applicable requirements in municipal storm water management programs.

- d. Storm, surface, nuisance, or other waters may be encountered at various times during construction of The Work. Therefore, the Contractor, by submitting a Bid, hereby acknowledges that it has investigated the risk arising from such waters, has prepared its Bid accordingly, and assumes any and all risks and liabilities arising therefrom.
- e. Failure to comply with the Permit is in violation of federal and state law. Contractor hereby agrees to indemnify and hold harmless District, its officials, officers, agents, employees and authorized volunteers from and against any and all claims, demands, losses or liabilities of any kind or nature which District, its officials, officers, agents, employees and authorized volunteers may sustain or incur for noncompliance with the Permit arising out of or in connection with the Project, except for liability resulting from the sole established negligence, willful misconduct or active negligence of the District, its officials, officers, agents, employees or authorized volunteers. District may seek damages from Contractor for delay in completing the Contract in accordance with the Contract Documents, caused by Contractor's failure to comply with the Permit.

ARTICLE 24. CLEANING UP

- a. Contractor at all times shall keep premises free from debris such as waste, rubbish, and excess materials and equipment. Contractor shall not store debris under, in, or about the premises. The contractor shall also remove temporary fencing, barricades, planking and construction toilet and similar temporary facilities from site. Contractor shall also clean all buildings, asphalt and concrete areas to the degree necessary to remove oil, grease, fuel, or other stains caused by Contractor operations or equipment.
- b. Contractor shall fully clean up the site at the completion of The Work. If the Contractor fails to immediately clean up at the completion of The Work, the District may do so and the cost of such clean up shall be charged back to the Contractor.

ARTICLE 25. LAYOUT AND FIELD ENGINEERING

All field engineering required for laying out The Work and establishing grades for earthwork operations shall be furnished by the District at its expense. Layout shall be done by a qualified individual Approved by the Engineer. Any required "as-built" drawings of civil engineering elements of the Work shall be prepared by a registered civil engineer.

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ARTICLE 26. EXCESSIVE NOISE

- a. The Contractor shall use only such equipment on the work and in such state of repair so that the emission of sound therefrom is within the noise tolerance level of that equipment as established by CAL-OSHA.
- b. The Contractor shall comply with the most restrictive of the following: (1) local sound control and noise level rules, regulations and ordinances and (2) the requirements contained in these Contract Documents, including hours of operation requirements. No internal combustion engine shall be operated on the Project without a muffler of the type recommended by the manufacturer. Should any muffler or other control device sustain damage or be determined to be ineffective or defective, the Contractor shall promptly remove the equipment and shall not return said equipment to the job until the device is repaired or replaced. Said noise and vibration level requirements shall apply to all equipment on the job or related to the job, including but not limited to, trucks, transit mixers or transit equipment that may or may not be owned by the Contractor.
- c. The Contractor shall comply with all the environmental provisions contained in the Contract Documents.

ARTICLE 27. TESTS AND INSPECTIONS

- a. If the Contract Documents, the Engineer, or any instructions, laws, ordinances, or public authority require any part of The Work to be tested or Approved, Contractor shall provide the Engineer at least two (2) working Days' notice of its readiness for observation or inspection. If inspection is by a public authority other than the District, Contractor shall promptly inform the District of the date fixed for such inspection. Required certificates of inspection (or similar) shall be secured by Contractor. Costs for District testing and District inspection shall be paid by the District. Costs of tests for Work found not to be in compliance with the Contract Documents or Applicable Law shall be paid by the Contractor.
- b. If any Work is done or covered up without the required testing or approval, the Contractor shall uncover or deconstruct the Work, and the Work shall be redone after completion of the testing at the Contractor's cost in compliance with the Contract Documents, at the Contractor's cost.
- c. Where inspection and testing are to be conducted by an independent laboratory or agency, materials or samples of materials to be inspected or tested shall be selected by such laboratory or agency, or by the District, and not by Contractor. All tests or inspections of materials shall be made in accordance with the commonly recognized standards of national organizations.
- d. In advance of manufacture of materials to be supplied by Contractor which must be tested or inspected, Contractor shall notify the District so that the District may

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arrange for testing at the source of supply. Any materials which have not satisfactorily passed such testing and inspection shall not be incorporated into The Work.

- e. If the manufacture of materials to be inspected or tested will occur in a plant or location outside the geographic limits of District, the Contractor shall pay for any excessive or unusual costs associated with such testing or inspection, including but not limited to excessive travel time, standby time and required lodging.
- f. Reexamination of Work may be ordered by the District. If so ordered, Work must be uncovered or deconstructed by Contractor. If Work is found to be in accordance with the Contract Documents, the District shall pay the costs of reexamination and reconstruction. If such work is found not to be in accordance with the Contract Documents, Contractor shall pay all costs.

ARTICLE 28. PROTECTION OF WORK AND PROPERTY

- a. The Contractor shall be responsible for all damages to persons or property that occur as a result of The Work. Contractor shall be responsible for the proper care and protection of all materials delivered and Work performed until completion and final Acceptance by the District. All Work shall be solely at the Contractor's risk. Contractor shall adequately protect adjacent property from settlement or loss of lateral support as necessary. Contractor shall comply with all applicable safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the Project site where Work is being performed. Contractor shall erect and properly maintain at all times, as required by field conditions and progress of work, all necessary safeguards, signs, barriers, lights, and watchmen for protection of workers and the public, and shall post danger signs warning against hazards created in the course of construction.
- b. In an emergency affecting safety of life or of work or of adjoining property, Contractor, without special instruction or authorization from the Engineer, is hereby permitted to act to prevent such threatened loss or injury; and Contractor shall so act, without appeal, if so authorized or instructed by the Engineer or the District. Any compensation claimed by Contractor on account of emergency work shall be determined by and agreed upon by the District and the Contractor in accordance with ARTICLE 46.
- c. Contractor shall provide such heat, covering, and enclosures as are necessary to protect all Work, materials, equipment, appliances, and tools against damage by weather conditions.
- d. Contractor shall take adequate precautions to protect existing sidewalks, curbs, pavements, utilities, and other adjoining property and structures, and to avoid damage thereto, and Contractor shall repair any damage thereto caused by The Work operations. Contractor shall:

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- 1) Enclose the working area with a substantial barricade, and arrange work to cause minimum amount of inconvenience and danger to the public.
- 2) Provide substantial barricades around any shrubs or trees indicated to be preserved.
- 3) Deliver materials to the Project site over a route designated by the Engineer.
- 4) Provide any and all dust control required and follow the Applicable air quality regulations as appropriate. If the Contractor does not comply, the District shall have the immediate authority to provide dust control and deduct the cost from payments to the Contractor.
- 5) Confine Contractor's apparatus, the storage of materials, and the operations of its workers to limits required by law, ordinances, permits, or directions of the Engineer. Contractor shall not unreasonably encumber the Project site with its materials.
- 6) Take care to prevent disturbing or covering any survey markers, monuments, or other devices marking property boundaries or corners. If such markers are disturbed by accident, they shall be replaced by an approved civil engineer or land surveyor, at no cost to the District.
- 7) Ensure that existing facilities, fences and other structures are all adequately protected and that, upon completion of all Work, all facilities that may have been damaged are restored to a condition acceptable to the District.
- 8) Preserve and protect from injury all buildings, pole lines and all direction, warning and mileage signs that have been placed within the right-of-way.
- 9) At the completion of work each Day, leave the Project site in a clean, safe condition.
- 10) Comply with any stage construction and traffic handling plans. Access to residences and businesses shall be maintained at all times.

These precautionary measures will apply continuously and not be limited to normal working hours. Full compensation for the Work involved in the preservation of life, safety and property as above specified shall be considered as included in the prices paid for the various contract items of Work, and no additional allowance will be made therefor.

- e. Should damage to persons or property occur as a result of The Work, Contractor shall promptly notify the District, in writing. Contractor shall be responsible for proper investigation, documentation, including video or photography, to

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adequately memorialize and make a record of what transpired. The District shall be entitled to inspect and copy any such documentation, video, or photographs.

ARTICLE 29. CONTRACTORS MEANS AND METHODS

Contractor is solely responsible for the means and methods utilized to Perform The Work. In no case shall the Contractor's means and methods deviate from commonly used industry standards.

ARTICLE 30. COMPLIANCE WITH CALIFORNIA AIR RESOURCES BOARD REGULATIONS

- a. Contractor shall comply, and shall ensure all subcontractors comply, with all applicable requirements of the most current version of the regulations imposed by California Air Resources Board ("CARB") including, without limitation, all applicable terms of Title 13, California Code of Regulations Division 3, Chapter 9 and all pending amendments ("Regulation").
- b. Throughout the Project, and for three (3) years thereafter, Contractor shall make available for inspection and copying any and all documents or information associated with Contractor's and its subcontractors' fleets including, without limitation, the Certificates of Reported Compliance ("CRCs"), fuel/refueling records, maintenance records, emissions records, and any other information the Contractor is required to produce, keep or maintain pursuant to the Regulation upon two (2) calendar days' notice from the District.
- c. Contractor shall be solely liable for any and all costs associated with compliance with the Regulation as well as for any and all penalties, fines, damages, or costs associated with any and all violations, or failures to comply with the Regulation. Contractor shall defend, indemnify and hold harmless the District, its officials, officers, employees and authorized volunteers free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with the Regulation.

ARTICLE 31. AUTHORIZED REPRESENTATIVES

The District shall designate representatives, who shall have the right to be present at the Project site at all times. The District may designate an inspector who shall have the right to observe all of the Contractor's Work. The inspector is not authorized to make changes in the Contract Documents or excuse Contractor from performing in accordance with the Contract Documents. The inspector shall not be responsible for the Contractor's failure to carry out The Work in accordance with the Contract Documents. Contractor shall provide safe and proper facilities for such access.

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ARTICLE 32. HOURS OF WORK

- a. Eight (8) hours of work shall constitute a legal Day's work. The Contractor and each subcontractor shall forfeit, as penalty to the District, twenty-five dollars (\$25) for each worker employed in the execution of Work by the Contractor or any subcontractor for each Day during which such worker is required or permitted to work more than eight (8) hours in any one Day and forty (40) hours in any week in violation of the provisions of the Labor Code, and in particular, Section 1810 to Section 1815, except as provided in Labor Code Section 1815.
- b. Work shall be accomplished on a regularly scheduled eight (8) hour per Day work shift basis, Monday through Friday, between the hours of 7:00 a.m. and 5:00 p.m. No Work shall be allowed on District-observed holidays, including the week between Christmas Day and New Years Day, unless otherwise Approved by the Engineer.
- c. It shall be unlawful for any person to operate, permit, use, or cause to operate any of the following at the Project site, other than between the hours of 7:00 a.m. to 5:00 p.m., Monday through Friday:
 - 1) Powered Vehicles
 - 2) Construction Equipment
 - 3) Loading and Unloading Vehicles
 - 4) Domestic Power Tools

ARTICLE 33. PAYROLL RECORDS

- a. Pursuant to Labor Code Section 1776, the Contractor and each subcontractor shall maintain weekly certified payroll records showing the name, address, social security number, work classification, straight time and overtime hours paid each Day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed in connection with the work. Contractor shall certify under penalty of perjury that records maintained and submitted by Contractor are true and accurate. Contractor shall also require subcontractor(s) to certify weekly payroll records under penalty of perjury.
- b. The payroll records described herein shall be certified and submitted by the Contractor at a time designated by the District. The Contractor shall also provide the following:
 - 1) A certified copy of the employee's payroll records shall be made available for inspection or furnished to such employee or his or her authorized representative on request.

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- 2) A certified copy of all payroll records described herein shall be made available for inspection or furnished upon request of the Department of Industrial Relations ("DIR").
- c. The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement ("DLSE") of the DIR or shall contain the same information as the forms provided by the DLSE.
- d. Any copy of records made available for inspection and furnished upon request to the public shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of the Contractor or any subcontractor shall not be marked or obliterated.
- e. In the event of noncompliance with the requirements of this Section, the Contractor shall have ten (10) Days in which to comply subsequent to receipt of written notice specifying any item or actions necessary to ensure compliance with this section. Should noncompliance still be evident after such ten (10) Day period, the Contractor shall, as a penalty to the District, forfeit One Hundred Dollars (\$100.00) for each Day, or portion thereof, for each worker until strict compliance is effectuated. Upon the request of the DIR, such penalties shall be withheld from contract payments.

ARTICLE 34. PREVAILING RATES OF WAGES

- a. The Contractor is aware of the requirements of Labor Code Sections 1720 et seq. and 1770 et seq., as well as California Code of Regulations, Title 8, Section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Since this Project involves an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and since the total compensation is \$1,000 or more, Contractor agrees to fully comply with such Prevailing Wage Laws. The Contractor shall obtain a copy of the prevailing rates of per diem wages at the commencement of this Agreement from the website of the Division of Labor Statistics and Research of the Department of Industrial Relations located at www.dir.ca.gov/dlsr/. Contractor shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to perform work on the Project available to interested parties upon request, and shall post copies at the Contractor's principal place of business and at the Project site. Contractor shall defend, indemnify and hold the District, its elected officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or allege failure to comply with the Prevailing Wage Laws.
- b. The Contractor and each subcontractor shall forfeit as a penalty to the District not more than Two Hundred dollars (\$200.00) for each Day, or portion thereof, for each

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worker paid less than the stipulated prevailing wage rate for any work done by him, or by any subcontract under him, in violation of the provisions of the Labor Code. The difference between such stipulated prevailing wage rate and the amount paid to each worker for each Day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor.

- c. Contractor shall post, at appropriate conspicuous points on the Project site, a schedule showing all determined general prevailing wage rates and all authorized deductions, if any, from unpaid wages actually earned.

ARTICLE 35. EMPLOYMENT OF APPRENTICES

The Contractor's attention is directed to the provisions of Sections 1777.5, 1777.6, and 1777.7 of the Labor Code concerning employment of apprentices by the Contractor or any subcontractor. The Contractor shall obtain a certificate of apprenticeship before employing any apprentice pursuant to Section 1777.5, 1777.6, and 1777.7 of the Labor Code. Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of Industrial Relations, the Administrator of Apprenticeships, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.

ARTICLE 36. LABOR COMPLIANCE

This Project is subject to labor compliance monitoring and enforcement by the Department of Industrial Relations. It shall be the Contractor's sole responsibility to evaluate and include the cost of complying with all labor compliance requirements under this contract and applicable law in its bid.

Contractor shall post, at each job site, the notice required by Section 16451(d) of Title 8 of the California Code of Regulations. Template notices are available by emailing a request to CMU@dir.ca.gov or at the following location.

District Office of the Division of Labor Standards Enforcement
1515 Clay Street, Suite 801
Oakland, CA 94612

In accordance with Labor Code section 1771.4, the Contractor and each subcontractor shall furnish the certified payroll records directly to the Department of Industrial Relations on a weekly basis and in the format prescribed by the Department of Industrial Relations, which may include electronic submission. Contractor shall comply with all requirements and regulations from the Department of Industrial Relations relating to labor compliance monitoring and enforcement.

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ARTICLE 37. CONTRACTOR AND SUBCONTRACTOR REGISTRATION

If the bids subject to the Notice Inviting Bids are due on or after March 1, 2015, then pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work.

**ARTICLE 38. NONDISCRIMINATION/EQUAL EMPLOYMENT
OPPORTUNITY/EMPLOYMENT ELIGIBILITY**

Pursuant to Labor Code Section 1735 and other applicable provisions of law, the Contractor and its subcontractors shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, age, political affiliation, marital status, or handicap on this Work. The Contractor will take affirmative action to insure that employees are treated during employment or training without regard to their race, color, religion, sex, national origin, age, political affiliation, marital status, or handicap.

Employment Eligibility; Contractor. By executing this Contract, Contractor verifies that it fully complies with all requirements and restrictions of state and federal law respecting the employment of undocumented aliens, including, but not limited to, the Immigration Reform and Control Act of 1986, as may be amended from time to time. Such requirements and restrictions include, but are not limited to, examination and retention of documentation confirming the identity and immigration status of each employee of the Contractor. Contractor also verifies that it has not committed a violation of any such law within the five (5) years immediately preceding the date of execution of this Contract, and shall not violate any such law at any time during the term of the Contract. Contractor shall avoid any violation of any such law during the term of this Contract by participating in an electronic verification of work authorization program operated by the United States Department of Homeland Security, by participating in an equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, or by some other legally acceptable method. Contractor shall maintain records of each such verification, and shall make them available to the District or its representatives for inspection and copy at any time during normal business hours. The District shall not be responsible for any costs or expenses related to Contractor's compliance with the requirements provided for or referred to herein.

Employment Eligibility; Subcontractors, Sub-subcontractors and Consultants. To the same extent and under the same conditions as Contractor, Contractor shall require all of its subcontractors, sub-subcontractors and consultants performing any part of the Work

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or of this Contract to make the same verifications and comply with all requirements and restrictions provided for herein.

Employment Eligibility; Failure to Comply. Each person executing this Contract on behalf of Contractor verifies that he or she is a duly authorized officer of Contractor, and understands that any of the following shall be grounds for the District to terminate the Contract for cause: (1) failure of Contractor or its subcontractors, sub-subcontractors or consultants to meet any of the requirements provided for herein; (2) any misrepresentation or material omission concerning compliance with such requirements; or (3) failure to immediately remove from the Work any person found not to be in compliance with such requirements.

ARTICLE 39. LABOR/EMPLOYMENT SAFETY

In the performance of this Contract the Contractor shall comply with all applicable federal, state and local statutory and regulatory requirements including, but not limited to California Department of Industrial Relations (Cal/OSHA) regulations; and the U.S. Department of Transportation Omnibus Transportation Employee Testing Act, related to their scope of work and operations. In case of conflict in regulations, the most stringent shall apply. The Contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the Work covered by the Contract. Safety precautions shall include but shall not be limited to: adequate life protection and lifesaving equipment; adequate illumination; instructions in accident prevention for all employees, such as the use of machinery guards, safe walkways, scaffolds, ladders, bridges, gang planks, confined space procedures, trenching and shoring, fall protection, and other safety devices; equipment and wearing apparel as are necessary or lawfully required to prevent accidents, injuries, or illnesses (including but not limited to exposure to the Coccidioides fungus and Valley Fever); and adequate facilities for the proper inspection and maintenance of all safety measures.

Contractor must obtain all applicable Division of Occupational Safety and Health (CAL-OSHA) permit(s) and others required by California Labor Code and California Government Code, prior to the initiation of any practices, Work, method, operation, or process related to the Work covered in the Contract. Permits required by governmental authorities will be obtained at Contractor's expense.

It is a condition of this Contract, and shall be made a condition of each subcontract which the Contractor enters into pursuant to this Contract, that the Contractor and any subcontractor shall not permit any employee, in performance of the Contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under Cal/OSHA safety and health standards.

The Contractor shall be responsible for the safeguarding of all utilities. At least two

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working Days before beginning Work, the Contractor shall call the Underground Service Alert (USA) in order to determine the location of sub-structures. The Contractor shall immediately notify District and the utility owner if he/she disturbs, disconnects, or damages any utility.

In accordance with Section 6705 of the California Labor Code, the Contractor shall submit to District specific plans to show details of provisions for worker protection from caving ground during excavations of trenches of five feet or more in depth. The excavation/trench safety plan shall be submitted to and accepted by District prior to starting excavation. The trench safety plan shall have details showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground. If such a plan varies from the shoring system standards established by the Construction Safety Orders of the California Department of Industrial Relations (Cal/OSHA), the plan shall be prepared by a California registered civil or structural engineer. As part of the plan, a note shall be included stating that the registered civil or structural engineer certifies that the plan complies with the Cal/OSHA Construction Safety Orders, or that the registered civil or structural engineer certifies that the plan is not less effective than the shoring, bracing, sloping or other provisions of the Safety Orders. In no event shall the Contractor use a shoring, sloping, or protective system less effective than that required by said Construction Safety Orders. Submission of this plan in no way relieves the Contractor of the requirement to maintain safety in all areas. If excavations or trench Work requiring a Cal/OSHA permit are to be undertaken, the Contractor shall submit his/her permit with the excavation/trench Work safety plan to District before Work begins.

ARTICLE 40. INSURANCE

- a. Minimum Scope and Limits of Insurance. Contractor shall procure and maintain for the duration of the Contract, and for 5 years thereafter, insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the Work hereunder by the Contractor, his agents, representatives, employees, or subcontractors.
- b. Coverage. Coverage shall be at least as broad as the following:
 1. General Liability - Commercial General Liability (CGL). Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury with limit of at least five million dollars (\$5,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this Project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to District) or the general aggregate limit shall be twice the required occurrence limit.

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2. Automobile Liability. Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto) with limit of two million dollars (\$2,000,000) for bodily injury and property damage each accident.
3. Workers' Compensation Insurance. The Contractor shall provide workers' compensation coverage as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. Waiver of Subrogation (also known as Transfer of Rights of Recovery Against Others to Us): The Contractor hereby agrees to waive rights of subrogation to obtain endorsement necessary to affect this waiver of subrogation in favor of the District, its directors, officers, employees, and authorized volunteers, for losses paid under the terms of this coverage which arise from Work performed by the Named Insured for the District; this provision applies regardless of whether or not the District has received a waiver of subrogation from the insurer.
4. Builder's Risk. (Course of Construction) if necessary, insurance utilizing an "All Risk" (Special Perils) coverage form with limits equal to the completed value of the Project and no coinsurance penalty provision. See Responsibility of Work.
5. Contractor's Pollution Liability. With limits no less than \$5,000,000 per occurrence or claim, and \$10,000,000 policy aggregate.

If the Contractor maintains broader coverage and or/higher limits than the minimums shown above, the District requires and shall be entitled to the broader coverage and/or higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum of insurance and coverage shall be available to the District.

- c. Other Required Provisions. The Commercial General Liability policy, Automobile Liability policy and Contractors Pollution (if necessary) are to contain, or be endorsed to contain, the following provisions:
 1. Additional Insured Status. District, its directors, officers, employees, and authorized volunteers are to be given insured status (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 10 01 and CG 20 37 10 01 for the Commercial General Liability policy) with respect to liability arising out of Work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such Work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance.

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2. Primary and Non-Contributory Coverage. For any claims related to this Project, the Contractor's insurance coverage shall be primary, at least as broad as ISO CG 20 01 04 13 for the Commercial General Liability policy, as respects to the District, its directors, officers, employees, and authorized volunteers. Any insurance or self-insurance maintained by the District, its directors, officers, employees, and authorized volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
3. Waiver of Subrogation. All policies shall permit and Contractor does hereby waive any right of subrogation which any insurer of Contractor may acquire from Contractor by virtue of the payment of any loss.
- d. Notice of Cancellation. Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the District.
- e. Acceptability of Insurers. Insurance is to be placed with insurers having a current A.M. Best rating of no less than A: VII or equivalent or as otherwise approved by District.

The Contractor agrees and he/she will comply with such provisions before commencing Work. All of the insurance shall be provided on policy forms and through companies satisfactory to District. The District reserves the right to obtain complete, certified copies of all required insurance policies, including the policy declarations page with endorsement number. Failure to continually satisfy the Insurance requirements is a material breach of contract.

- f. Responsibility for Work. Until the completion and final Acceptance by District of all The Work under and implied by this Contract, The Work shall be under the Contractor's responsible care and charge. The Contractor shall rebuild, repair, restore and make good all injuries, damages, re-erections, and repairs occasioned or rendered necessary by causes of any nature whatsoever.

The Contractor shall provide and maintain builder's risk (course of construction) or an installation floater (for materials and equipment) covering all risks of direct physical loss, damage or destruction to The Work in the amount specified in the General Conditions, to insure against such losses until final Acceptance of The Work by District. Such insurance shall insure at least against the perils of fire and extended coverage, theft, vandalism and malicious mischief, and collapse. The Policy shall be endorsed with District, its directors, officers, employees, and authorized volunteers named as loss payee, as their interest may appear. The making of progress payments to the Contractor shall not be construed as creating an insurable interest by or for District or be construed as relieving the Contractor or his/her subcontractors of responsibility for loss from any direct physical loss, damage or destruction occurring prior to final Acceptance of The Work by District.

- g. Deductibles and Self-Insured Retentions. Insurance deductibles or self-insured retentions must be declared by the Contractor, and approved by the District. At the

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election of District the Contractor shall either cause the insurer to reduce or eliminate such self-insured retentions as respects the District, its directors, officers, employees, and authorized volunteers or the Contractor shall provide a financial guarantee satisfactory to the District guaranteeing payment of losses and related investigations, claim administration, and defense expenses. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or the District.

- h. Verification of Coverage - Evidences of Insurance. Contractor shall furnish the District with copies of certificates and amendatory endorsements effecting coverage required by this Contract. All certificates and endorsements are to be received and approved by the District before Work commences. However, failure to obtain the required documents prior to the Work beginning shall not waive the Contractor's obligation to provide them. The District reserves the right to require complete, certified copies of all required insurance policies, including policy Declaration pages and Endorsement pages, required by these Specifications, at any time. Failure to continually satisfy the Insurance requirements is a material breach of contract.
- i. Continuation of Coverage. The Contractor shall, upon demand of District deliver evidence of coverage showing continuation of coverage for at least (5) years after completion of the Project. Contractor further waives all rights of subrogation under this Contract. When any of the required coverages expire during the term of this Contract, the Contractor shall deliver the renewal certificate(s) including the general liability additional insured endorsement and evidence of waiver of rights of subrogation against District (if builder's risk insurance is applicable) to District at least ten (10) Days prior to the expiration date.
- j. Subcontractors. In the event that the Contractor employs other Contractors (subcontractors) as part of the Work covered by this Contract, it shall be the Contractor's responsibility to require and confirm that each subcontractor meets the minimum insurance requirements specified above (via as broad as ISO CG 20 38 04 13). The Contractor shall, upon demand of District, deliver to District copies such policy or policies of insurance and the receipts for payment of premiums thereon.

ARTICLE 41. FORM AND PROOF OF CARRIAGE OF INSURANCE

- a. Any insurance carrier providing insurance coverage required by the Contract Documents shall be authorized to do business in the State of California unless waived, in writing, by the District's General Manager. Carrier(s) shall have an A.M. Best rating of not less than an A:IX. Insurance deductibles or self-insured retentions must be declared by the Contractor. At the election of the District, the Contractor shall either 1) reduce or eliminate such deductibles or self-insured retentions, or 2) procure a bond which guarantees payment of losses and related

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investigations, claims administration, and defense costs and expenses. If umbrella or excess liability coverage is used to meet any required limit(s) specified herein, the Contractor shall provide a "follow form" endorsement satisfactory to the District indicating that such coverage is subject to the same terms and conditions as the underlying liability policy.

- b. Each insurance policy required by this Contract shall be endorsed to state that: (1) should any of the above described be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions; and (2) any failure to comply with reporting or other provisions of the policies, including breaches of warranties, shall not affect coverage provided to the District its directors, officials, officers, employees, agents and volunteers.
- c. The Certificate(s) and policies of insurance shall contain or shall be endorsed to contain the covenant of the insurance carrier(s) that it shall provide no less than thirty (30) Days written notice be given to the District prior to any material modification or cancellation of such insurance. In the event of a material modification or cancellation of coverage, the District may terminate the Contract or stop the Work in accordance with the Contract Documents, unless the District receives, prior to such effective date, another properly executed original Certificate of Insurance and original copies of endorsements or certified original policies, including all endorsements and attachments thereto evidencing coverage's set forth herein and the insurance required herein is in full force and effect. Contractor shall not take possession, or use the Site, or commence operations under this Contract until the District has been furnished original Certificate(s) of Insurance and certified original copies of endorsements or policies of insurance including all endorsements and any and all other attachments as required in this section. The original endorsements for each policy and the Certificate of Insurance shall be signed by an individual authorized by the insurance carrier to do so on its behalf.
- d. The Certificate(s) of Insurance, policies and endorsements shall so covenant and shall be construed as primary, and the District's insurance and/or deductibles and/or self-insured retentions or self-insured programs shall not be construed as contributory.
- e. The District reserves the right to adjust the monetary limits of insurance coverages during the term of this Contract including any extension thereof if in the District's reasonable judgment, the amount or type of insurance carried by the Contractor becomes inadequate.
- f. Contractor shall report to the District, in addition to Contractor's insurer, any and all insurance claims submitted by the Contractor in connection with the Work under this Contract.

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ARTICLE 42. TIME FOR COMPLETION AND LIQUIDATED DAMAGES

- a. **Time for Completion/Liquidated Damages.** Work shall be commenced within ten (10) Days of the date stated in the District's Notice to Proceed and shall be completed by Contractor in the Contract Time. The District is under no obligation to consider early completion of the Project; and the Contract completion date shall not be amended by the District's receipt or acceptance of the Contractor's proposed earlier completion date. Furthermore, Contractor shall not, under any circumstances, receive additional compensation from the District (including but not limited to indirect, general, administrative or other forms of overhead costs) for the period between the time of earlier completion proposed by the Contractor and the Contract completion date. If The Work is not completed within the Contract Time, it is understood that the District will suffer damage. In accordance with Government Code section 53069.85, being impractical and infeasible to determine the amount of actual damage, it is agreed that Contractor shall pay to the District as fixed and liquidated damages, and not as a penalty, the sum stipulated in the Contract for each Day of delay until The Work is fully completed. Contractor and its surety shall be liable for any liquidated damages. Any money due or to become due the Contractor may be retained to cover liquidated damages.
- b. **Inclement Weather.** Contractor shall abide the Engineer's determination of what constitutes inclement weather. Time extensions for inclement weather shall only be granted when the Work stopped during inclement weather is on the critical path of the then-current Project schedule.
- c. **Extension of Time.** Contractor shall not be charged liquidated damages because of any delays in completion of The Work due to unforeseeable causes beyond the control and without the fault or negligence of Contractor (or its subcontractors or suppliers). Contractor shall within five (5) Days of identifying any such delay notify the District in writing of causes of delay. The District shall ascertain the facts and extent of delay and grant extension of time for completing The Work when, in its judgment, the facts justify such an extension. Time extensions to the Project shall be requested by the Contractor as they occur and without delay. No delay claims shall be permitted unless the event or occurrence delays the completion of the Project beyond the Contract completion date.
- d. **No Damages for Reasonable Delay.** The District's liability to Contractor for delays for which the District is responsible shall be limited to only an extension of time unless such delays were unreasonable under the circumstances. In no case shall the District be liable for any costs which are borne by the Contractor in the regular course of business, including, but not limited to, home office overhead and other ongoing costs. Damages caused by unreasonable District delay, including delays caused by items that are the responsibility of the District pursuant to Government Code section 4215, shall be based on actual costs only, no proportions or formulas shall be used to calculate any delay damages.

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ARTICLE 43. COST BREAKDOWN AND PERIODIC ESTIMATES

Contractor shall furnish on forms Approved by the District:

- a. Within ten (10) Days of award of the Contract a detailed Schedule of Values giving a complete breakdown of the Contract price. The Schedule of Values shall be adjusted as directed by the District;
- b. A monthly itemized estimate of Work done for the purpose of making progress payments. In order for the District to consider and evaluate each progress payment application, the Contractor shall submit a detailed measurement of Work performed and a progress estimate of the value thereof before the tenth (10th) Day of the following month.
- c. Contractor shall submit, with each of its payment requests, an adjusted list of actual quantities, verified by the Engineer, for unit price items listed, if any, in the Bid Form.
- d. Following the District's Acceptance of the Work, the Contractor shall submit to the District a written statement of the final quantities of unit price items for inclusion in the final payment request.
- e. The District shall have the right to adjust any estimate of quantity and to subsequently correct any error made in any estimate for payment.

Contractor shall certify under penalty of perjury, that all cost breakdowns and periodic estimates accurately reflect the Work on the Project.

ARTICLE 44. MOBILIZATION

- a. When a bid item is included in the Bid Form for mobilization, the costs of Work in advance of construction operations and not directly attributable to any specific bid item will be included in the progress estimate ("Initial Mobilization"). When no bid item is provided for "Initial Mobilization," payment for such costs will be deemed to be included in the other items of The Work.
- b. Payment for Mobilization shall be based on the lump sum provided in the Bid Form, which shall constitute full compensation for all such Work. The first payment for mobilization shall be one hundred percent (100%) of the bid item amount. The Contractor shall submit an invoice to the District for payment of mobilization upon execution of the Agreement for Construction Services. The scope of the Work included under Mobilization shall include, but shall not be limited to, the following principal items, if applicable:
 - 1) Obtaining and paying for all bonds, insurance, and permits.

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- 2) Moving on to the Project site of all Contractor's plant and equipment required for first month's operations.
- 3) Developing and installing a construction water supply.
- 4) Providing on-site sanitary facilities and potable water facilities as specified per Cal-OSHA and these Contract Documents.
- 5) Furnishing, installing, and maintaining all storage buildings or sheds required for temporary storage of products, equipment, or materials, and for all security.
- 6) Arranging for and erection of Contractor's work and storage yard.
- 7) Posting all OSHA required notices and establishment of safety programs per Cal-OSHA.
- 8) Full-time presence of Contractor's superintendent at the job site as required herein.
- 9) Submittal of Construction Schedule as required by the Contract Documents.

ARTICLE 45. PAYMENTS

- a. The District shall make monthly progress payments following receipt of undisputed and properly submitted payment requests. Unless the District has made findings pursuant to Public Contract Code section 7201 (that the work included in this Contract is substantially complex, and therefore a retention of 10% shall be withheld from each progress payment as provided by the Contract Documents), Contractor shall be paid a sum equal to ninety-five percent (95%) of the value of Work performed up to the last Day of the previous month, less the aggregate of previous payments. District will, within forty-five (45) Days after receipt of an undisputed and properly submitted application for payment, pay the Contractor the amount so approved.
- b. The Contractor shall, after the full completion of The Work, submit a final payment application. All prior progress estimates shall be subject to correction in the final estimate and payment.
- c. Unless otherwise required by law or unless the District has made findings pursuant to Public Contract Code section 7201 (that the work included in this Contract is substantially complex, and therefore a retention of 10% shall be withheld from each progress payment as provided by the Contract Documents), the final payment of five percent (5%) of the value of the Work, if unencumbered, shall be paid no later than sixty (60) Days after the date of recordation of the Notice of Completion.

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- d. Acceptance by Contractor of the final payment shall constitute a waiver of all claims against the District arising from this Contract.
- e. Payments to the Contractor shall not be construed to be an acceptance of any defective work or improper materials, or to relieve the Contractor of its obligations under the Contract Documents.
- f. The Contractor shall submit with each payment request the Contractor's conditional waiver of lien for the entire amount covered by such payment request, as well as a valid unconditional waiver of lien from the Contractor and all subcontractors and materialmen for all work and materials included in any prior invoices. Waivers of lien shall be in the forms prescribed by California Civil Code Section 8132, 8132, 8136 and 8138. Prior to final payment by the District, the Contractor shall submit a final conditional waiver of lien for the Contractor's work, together with unconditional releases of lien from any subcontractor or materialmen.

ARTICLE 46. PAYMENTS WITHHELD AND BACKCHARGES

In addition to amounts which the District may retain under other provisions of the Contract Documents the District may withhold payments due to Contractor as the District may consider to be necessary to cover:

- a. Stop Notice Claims.
- b. Defective work not remedied.
- c. Failure of Contractor to make proper payments to its subcontractors or suppliers.
- d. Completion of the Contract if there exists a reasonable doubt that the work can be completed for balance then unpaid.
- e. Damage to another contractor or third party.
- f. Amounts which may be due the District for claims against Contractor.
- g. Failure of Contractor to keep the record ("as-built") drawings up to date.
- h. Failure to provide updates on the construction schedule.
- i. Site cleanup.
- j. Failure of the Contractor to comply with requirements of the Contract Documents.
- k. Liquidated damages.
- l. Legally permitted penalties.

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Upon completion of the Contract, the District will reduce the final Contract amount to reflect costs charged to the Contractor, back charges or payments withheld pursuant to the Contract Documents.

ARTICLE 47. CHANGES AND EXTRA WORK

a. Change Order Work.

- 1) The District, without invalidating the Contract, may order changes in the Work consisting of additions, deletions or other revisions, the Contract Price and Contract Time being adjusted accordingly. All such changes in the Work shall be authorized by Change Order, and shall be performed under the applicable conditions of the Contract Documents. A Change Order signed by the Contractor indicates the Contractor's agreement therewith, including any adjustment in the Contract amount or the Contract time, and the full and final settlement of all costs (direct, indirect and overhead) related to the Work authorized by the Change Order.
- 2) Contractor shall promptly execute changes in the Work as directed in writing by the District even when the parties have not reached agreement on whether the change increases the scope of Work or affects the Contract Price or Contract Time. All claims for additional compensation to the Contractor shall be presented in writing. No claim will be considered after the work in question has been done unless a written contract change order has been issued or a timely written notice of claim has been made by Contractor. Contractor shall not be entitled to claim or bring suit for damages, whether for loss of profits or otherwise, on account of any decrease or omission of any item or portion of Work to be done. Whenever any change is made as provided for herein, such change shall be considered and treated as though originally included in the Contract, and shall be subject to all terms, conditions and provisions of the original Contract.
- 3) Owner Initiated Change. The Contractor must submit a complete cost proposal, including any change in the Contract time, within seven (7) Days after receipt of a scope of a proposed change order initiated by the District, unless the District requests that proposals be submitted in less than seven (7) Days.
- 4) Contractor Initiated Change. The Contractor must give written notice of a proposed change order required for compliance with the Contract Documents within seven (7) Days of discovery of the facts giving rise to the proposed change order.
- 5) Whenever possible, any changes to the Contract amount shall be in a lump sum mutually agreed to by the Contractor and the District.

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- 6) Price quotations from the Contractor shall be accompanied by sufficiently detailed supporting documentation to permit verification by the District, including but not limited to estimates and quotations from subcontractors or material suppliers, as District may reasonably request.
- 7) If the Contractor fails to submit a complete cost proposal within the seven (7) Day period (or as requested), the District has the right to order the Contractor in writing to commence the work immediately on a force account basis and/or issue a lump sum change to the Contract Price and/ or Contract Time in accordance with the District's estimate. If the change is issued based on the District estimate, the Contractor will waive its right to dispute the action unless within fifteen (15) Days following completion of the added/deleted work, the Contractor presents written proof that the District's estimate was in error.
- 8) Estimates for lump sum quotations and accounting for cost-plus-percentage work shall be limited to direct expenditures necessitated specifically by the subject extra work, and shall be segregated as follows:
 - (a) Labor. The costs of labor will be the actual cost for wages prevailing locally for each craft or type of worker at the time the extra work is done, plus employer payments of payroll taxes and insurance, health and welfare, pension, vacation, apprenticeship funds, and other direct costs resulting from Federal, State or local laws, as well as assessment or benefits required by lawful collective bargaining agreements. The use of a labor classification which would increase the extra work cost will not be permitted unless the contractor establishes the necessity for such additional costs. Labor costs for equipment operators and helpers shall be reported only when such costs are not included in the invoice for equipment rental.
 - (b) Materials. The cost of materials reported shall be at invoice or lowest current price at which such materials are locally available in the quantities involved, plus sales tax, freight and delivery. Materials cost shall be based upon supplier or manufacturer's invoice. If invoices or other satisfactory evidence of cost are not furnished within fifteen (15) Days of delivery, then the Engineer shall determine the materials cost, at its sole discretion.
 - (c) Tool and Equipment Use. Costs for the use of small tools, tools which have a replacement value of \$1,000 or less shall be considered included in the markups described below. Regardless of ownership, the rates to be used in determining equipment use costs shall not exceed listed rates prevailing locally at equipment rental agencies, or distributors, at the time the work is performed.

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- (d) Overhead, Profit and Other Charges. The mark-up for overhead (including supervision) and profit on work added to the Contract shall be according to the following:
- i. "Net Cost" is defined as consisting of costs of labor, materials and tools and equipment only excluding overhead and profit. The costs of applicable insurance and bond premium will be reimbursed to the Contractor and subcontractors at cost only, without mark-up. Contractor shall provide District with documentation of the costs, including but not limited to payroll records, invoices and such other information as District may reasonably request.
 - ii. For Work performed by the Contractor's forces the added cost for overhead and profit shall not exceed fifteen (15%) percent of the Net Cost of the Work.
 - iii. For Work performed by a subcontractor, the added cost for overhead and profit shall not exceed fifteen (15%) percent of the subcontractor's Net Cost of the Work to which the Contractor may add five (5%) percent of the subcontractor's Net Cost.
 - iv. For Work performed by a sub-subcontractor the added cost for overhead and profit shall not exceed fifteen (15 %) percent of the sub-subcontractor's Net Cost for Work to which the subcontractor and general contractor may each add an additional five (5%) percent of the Net Cost of the lower tier subcontractor.
 - iv. No additional markup will be allowed for lower tier subcontractors, and in no case shall the added cost for overhead and profit payable by District exceed twenty-five (25%) percent of the Net Cost as defined herein, of the party that performs the Work.
- 9) All of the following costs are included in the markups for overhead and profit described above, and Contractor shall not receive any additional compensation for: Submittals, drawings: field drawings, Shop Drawings, including submissions of drawings; field inspection; General Superintendence; General administration and preparation of cost proposals, schedule analysis, Change Orders, and other supporting documentation; computer services; reproduction services; Salaries of project engineer, superintendent, timekeeper, storekeeper, and secretaries; Janitorial services; Small tools, incidentals and consumables; Temporary

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on-Site facilities (Offices, Telephones, Internet access, Plumbing, Electrical Power, lighting; Platforms, Fencing, Water), Jobsite and Home office overhead or other expenses; vehicles and fuel used for work otherwise included in the Contract Documents; Surveying; Estimating; Protection of Work; Handling and disposal fees; Final cleanup; Other incidental Work; Related warranties; insurance and bond premiums.

- 10) For added or deducted Work by subcontractors, the Contractor shall furnish to the District the subcontractor's signed detailed record of the cost of labor, material and equipment, including the subcontractor markup for overhead and profit. The same requirement shall apply to sub-subcontractors.
- 11) For added or deducted work furnished by a vendor or supplier, the Contractor shall furnish to the District a detailed record of the cost to the Contractor, signed by such vendor or supplier.
- 12) Any change in The Work involving both additions and deletions shall indicate a net total cost, including subcontracts and materials. Allowance for overhead and profit, as specified herein, shall be applied if the net total cost is an increase in the Contract Price; overhead and profit allowances shall not be applied if the net total cost is a deduction to the Contract Price. The estimated cost of deductions shall be based on labor and material prices on the date the Contract was executed.
- 13) Contractor shall not reserve a right to assert impact costs, extended job site costs, extended overhead, constructive acceleration and/or actual acceleration beyond what is stated in the change order for work. No claims shall be allowed for impact, extended overhead costs, constructive acceleration and/or actual acceleration due to a multiplicity of changes and/or clarifications. The Contractor may not change or modify the District's change order form in an attempt to reserve additional rights.
- 14) If the District disagrees with the proposal submitted by Contractor, it will notify the Contractor and the District will provide its opinion of the appropriate price and/or time extension. If the Contractor agrees with the District, a change order will be issued by the District. If no agreement can be reached, the District shall have the right to issue a unilateral change order setting forth its determination of the reasonable additions or savings in costs and time attributable to the extra or deleted work. Such determination shall become final and binding if the Contractor fails to submit a claim in writing to the District within fifteen (15) Days of the issuance of the unilateral change order, disputing the terms of the unilateral change order, and providing such supporting documentation for its position as the District may require.

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- 15) No dispute, disagreement or failure of the parties to reach agreement on the terms of the change order shall relieve the Contractor from the obligation to proceed with performance of the work, including extra work, promptly and expeditiously.
- 16) Any alterations, extensions of time, extra work or any other changes may be made without securing consent of the Contractor's surety or sureties.

ARTICLE 48. OCCUPANCY

The District reserves the right to occupy or utilize any portion of The Work at any time before completion, and such occupancy or use shall not constitute Acceptance of any part of Work covered by this Contract. This use shall not relieve the Contractor of its responsibilities under the Contract.

ARTICLE 49. INDEMNIFICATION

To the extent permitted by law, Contractor shall defend, indemnify and hold harmless District, its directors, officers, employees, and authorized volunteers from and against all claims, damages, losses and expenses, including reasonable attorneys' fees and costs to defend arising out of the performance of the Work described herein, and caused in whole or in part by any negligent act or omission of the Contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone whose acts any of them may be liable, except where caused by the active negligence, sole negligence, or willful misconduct of the District, its directors, officers, employees, and authorized volunteers.

To the fullest extent allowed by law, Contractor shall defend (with Counsel of District's choosing), indemnify and hold the District, its elected officials, officers, employees, agents and authorized volunteers free and harmless from any and all claims, demands, causes of action, costs, expenses, liabilities, losses, damages or injuries, at law or in equity, regardless of whether the allegations are false, fraudulent, or groundless, to property or persons, including wrongful death, to the extent arising out of or incident to any acts, omissions or willful misconduct of Contractor, its officials, officers, employees, agents, consultants and contractors arising out of or in connection with the performance of the Work or this Contract, including claims made by subcontractors for nonpayment, including without limitation the payment of all consequential damages and attorneys' fees and other related costs and expenses. Contractor shall defend, at Contractor's own cost, expense and risk, with Counsel of District's choosing, any and all such aforesaid suits, actions or other legal proceedings of every kind that may be brought or instituted against District, its elected officials, officers, employees, agents and authorized volunteers. To the extent of its liability, Contractor shall pay and satisfy any judgment, award or decree that may be rendered against District, its elected officials, officers, employees, agents and authorized volunteers in any such suit, action or other legal proceeding. Contractor shall reimburse District, its elected officials, officers, employees, agents and authorized volunteers for any and all legal expenses and costs incurred by each of them in connection therewith or in

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enforcing the indemnity herein provided. The only limitations on this provision shall be those imposed by Civil Code Section 2782.

ARTICLE 50. RECORD (“AS BUILT”) DRAWINGS

- a. Contractor shall prepare and maintain a complete set of record drawings (herein referred to as “as-builts”) and shall require each trade to prepare its own as-builts. Contractor shall mark the as-builts to show the actual installation where the installation varies from the Work as originally shown. Contractor shall mark whichever drawings are most capable of showing conditions fully and where shop drawings are used, Contractor must record a cross-reference at the corresponding location on the contract drawings. Contractor shall give particular attention to concealed elements that would be difficult to measure and record at a later date. Contractor shall use colors to distinguish variations in separate categories of The Work.
- b. Contractor shall note related change order numbers where applicable. Contractor shall organize as-builts into manageable sets, bound with durable paper cover sheets and shall print suitable title, dates and other identification on the cover of each set. The suitability of the as-builts will be determined by the Engineer.

ARTICLE 51. RESOLUTION OF CONSTRUCTION CLAIMS

- a. Contractor shall timely comply with all notices and requests for changes to the Contract Time or Contract Price, including but not limited to all requirements of Article 47, Changes and Extra Work, as a prerequisite to filing any claim governed by this Article. The failure to timely submit a notice of delay or notice of change, or to timely request a change to the Contract Price or Contract Time, or to timely provide any other notice or request required by this agreement shall constitute a waiver of the right to procedures of this Article.
- b. Effective January 1, 1991, Section 20104 et seq., of the California Public Contract Code prescribes a process utilizing informal conferences, non-binding judicial supervised mediation, and judicial arbitration to resolve disputes on construction claims of \$375,000 or less.
- c. Effective January 1, 2017, Section 9204 of the Public Contract Code prescribes a process for negotiation and mediation to resolve disputes on construction claims. The intent of this Article is to implement Sections 20104 et seq. and Section 9204 of the California Public Contract Code. This Article shall be construed to be consistent with said statutes.
- d. For purposes of this Article, “Claim” means a separate demand by the Contractor, after a change order duly requested in accordance with Article 47 “Changes and Extra Work” has been denied, for (A) a time extension, (B) payment of money or damages arising from work done by or on behalf of the Contractor pursuant to the

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Contract for a public work and payment of which is not otherwise entitled to, or (C) an amount the payment of which is disputed by the District.

- e. **Claims governed by this Article may not be filed unless and until the Contractor completes all procedures for giving notice of delay or change and for the requesting of a time extension or change order, including but not necessarily limited to the procedures contained in Article 47 "Changes and Extra Work," and Contractor's request for a change has been denied in whole or in part. Claims governed by this Article must be filed no later than the date of final payment.**
- f. The claim shall be submitted in writing to the District and shall include on its first page the following in 16 point capital font: "THIS IS A CLAIM." Furthermore, the claim shall include the documents necessary to substantiate the claim. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for the filing of claims, including all requirements pertaining to compensation or payment for extra work, disputed work, and/or changed conditions. Failure to follow such contractual requirements shall bar any claims or subsequent lawsuits for compensation or payment thereon.
- g. **Supporting Documentation:** The Contractor shall submit all claims in the following format:
 - 1) Summary of claim merit and price, reference Contract Document provisions pursuant to which the claim is made
 - 2) List of documents relating to claim:
 - i. Specifications
 - ii. Drawings
 - iii. Clarifications (Requests for Information)
 - iv. Schedules
 - v. Other
 - 3) Chronology of events and correspondence
 - 4) Analysis of claim merit
 - 5) Analysis of claim cost
 - 6) Time impact analysis in CPM format

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- h. **District's Response.** Upon receipt of a claim pursuant to this Article, District shall conduct a reasonable review of the claim and, within a period not to exceed 45 Days, shall provide the Contractor a written statement identifying what portion of the claim is disputed and what portion is undisputed. Any payment due on an undisputed portion of the claim will be processed and made within 60 Days after the public entity issues its written statement.
- 1) If the District needs approval from the District Board to provide the Contractor a written statement identifying the disputed portion and the undisputed portion of the claim, and the District Board does not meet within the 45 Days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the District shall have up to three Days following the next duly publicly noticed meeting of the District Board after the 45-Day period, or extension, expires to provide the Contractor a written statement identifying the disputed portion and the undisputed portion.
 - 2) Within 30 Days of receipt of a claim, the District may request in writing additional documentation supporting the claim or relating to defenses or claims the District may have against the Contractor. If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of District and the Contractor. The District's written response to the claim, as further documented, shall be submitted to the Contractor within 30 Days (if the claim is less than \$15,000, within 15 Days) after receipt of the further documentation, or within a period of time no greater than that taken by the Contractor in producing the additional information or requested documentation, whichever is greater.
- i. **Meet and Confer.** If the Contractor disputes the District's written response, or the District fails to respond within the time prescribed, the Contractor may so notify the District, in writing, either within 15 Days of receipt of the District's response or within 15 Days of the District's failure to respond within the time prescribed, respectively, and demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand, the District shall schedule a meet and confer conference within 30 Days for settlement of the dispute.
- j. **Mediation.** Within 10 business Days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the Contractor a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 Days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the Contractor sharing the associated costs

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equally. The public entity and Contractor shall mutually agree to a mediator within 10 business Days after the disputed portion of the claim has been identified in writing, unless the parties agree to select a mediator at a later time.

- 1) If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator.
 - 2) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.
 - 3) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.
 - 4) The mediation shall be held no earlier than the date the Contractor completes the Work or the date that the Contractor last performs Work, whichever is earlier. All unresolved claims shall be considered jointly in a single mediation, unless a new unrelated claim arises after mediation is completed.
- k. If following the mediation, the claim or any portion remains in dispute, the Contractor must file a claim pursuant to Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code prior to initiating litigation. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the Contractor submits his or her written claim pursuant to subdivision (a) until the time the claim is denied, including any period of time utilized by the meet and confer conference.
- l. The following procedures are established for all civil actions filed to resolve claims of \$375,000 or less:
- 1) Within 60 Days, but no earlier than 30 Days, following the filing or responsive pleadings, the court shall submit the matter to non-binding mediation unless waived by mutual stipulation of both parties or unless mediation was held prior to commencement of the action in accordance with Public Contract Code section 9204 and the terms of this Agreement. The mediation process shall provide for the selection within 15 Days by both parties of a disinterested third person as mediator, shall be commenced

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within 30 Days of the submittal, and shall be concluded within 15 Days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court.

- 2) If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, notwithstanding Section 1114.11 of that code. The Civil Discovery Act of 1986 (Article 3 (commencing with Section 2016) of Chapter 3 of Title 3 of Part 4 of the Code of Civil Procedure) shall apply to any proceeding brought under this subdivision consistent with the rules pertaining to judicial arbitration.
 - i. In addition to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, (A) arbitrators shall, when possible, be experienced in construction law, and (B) any party appealing an arbitration award who does not obtain a more favorable judgment shall, in addition to payment of costs and fees under that chapter, also pay the attorney's fees on appeal of the other party.
- m. **Government Code Claims:** In addition to any and all contract requirements pertaining to notices of and requests for compensation or payment for extra work, disputed work, construction claims and/or changed conditions, the Contractor must comply with the claim procedures set forth in Government Code Sections 900, et seq. prior to filing any lawsuit against the District. Such Government Code claims and any subsequent lawsuit based upon the Government Code claims shall be limited to those matters that remain unresolved after all procedures pertaining to extra work, disputed work, construction claims, and/or changed conditions have been followed by Contractor. If no such Government Code claim is submitted, or if the prerequisite contractual requirements are not satisfied, no action against the District may be filed. **A Government Code claim must be filed no earlier than the date the work is completed or the date the Contractor last performs work on the Project, whichever occurs first. A Government Code claim shall be inclusive of all unresolved claims unless a new unrelated claim arises after the Government Code claim is submitted.**
- n. The District's failure to respond to a claim from the Contractor within the time periods described in this Article or to otherwise meet the time requirements of this Article shall result in the claim being deemed rejected in its entirety.

ARTICLE 52. DISTRICT'S RIGHT TO TERMINATE CONTRACT

- a. **Termination for Cause:** The District may, without prejudice to any other right or remedy, serve written notice upon Contractor of its intention to terminate this Contract if the Contractor: (i) refuses or fails to prosecute The Work or any part thereof with such diligence as will ensure its completion within the time required;

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(ii) fails to complete The Work within the required time; (iii) should file a bankruptcy petition or be adjudged a bankrupt; (iv) should make a general assignment for the benefit of its creditors; (v) should have a receiver appointed; (vi) should persistently or repeatedly refuse or fail to supply enough properly skilled workers or proper materials to complete the work; (vii) should fail to make prompt payment to subcontractors or for material or labor; (viii) persistently disregard Applicable Laws, ordinances, other requirements or instructions of the District; or (ix) should violate any of the provisions of the Contract Documents.

The notice of default and intent to terminate shall contain the reasons for termination. Unless within ten (10) Days after the service of such notice, Contractor resolves the circumstances giving rise to the notice of default to the District's satisfaction, or makes arrangements acceptable to the District for the required corrective action, this Contract shall terminate. In such case, Contractor shall not be entitled to receive any further payment until the Project has been finished. The District may take over and complete The Work by any method it may deem appropriate. Contractor and its surety shall be liable to the District for any excess costs or other damages incurred by the District to complete the Project. If the District takes over The Work, the District may, without liability for so doing, take possession of and utilize in completing The Work such materials, appliances, plant, and other property belonging to the Contractor as may be on the Project site.

- b. **Termination For Convenience:** In addition to its right to terminate this Contract for default, the District may terminate the Contract, in whole or in part, at any time upon ten (10) Days written notice to Contractor. The Notice of Termination shall specify that the termination is for the convenience of the District, the extent of termination and the effective date of such termination.

After receipt of Notice of Termination, and except as directed by the District, the Contractor shall, regardless of any delay in determining or adjusting any amounts due under this Termination for Convenience clause, immediately proceed with the following obligations:

- 1) Stop Work as specified in the Notice.
- 2) Complete any Work specified in the Notice of Termination in a least cost/shortest time manner while still maintaining the quality called for under the Contract Documents.
- 3) Leave the Site and any other property upon which the Contractor was working and upon which the facility (or facilities) forming the basis of the Contract Documents is situated in a safe and sanitary manner such that it does not pose any threat to the public health or safety.

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- 4) Terminate all subcontracts and purchase orders to the extent that they relate to the portions of The Work terminated.
- 5) Place no further subcontracts or orders, except as necessary to complete the remaining portion of The Work.
- 6) Submit to the District, within ten (10) Days from the effective date of the Notice of Termination, all of the documentation called for by the Contract Documents to substantiate all costs incurred by the Contractor for labor, materials and equipment through the Effective Date of the Notice of Termination. Any documentation substantiating costs incurred by the Contractor solely as a result of the District's exercise of its right to terminate this Contract pursuant to this clause, which costs the Contractor is authorized under the Contract Documents to incur, shall: (i) be submitted to and received by the District no later than thirty (30) Days after the Effective Date of the Notice of Termination; (ii) describe the costs incurred with particularity; and (iii) be conspicuously identified as "Termination Costs Occasioned by the District's Termination for Convenience."
- 7) District's total liability to Contractor by reason of the termination shall be limited to the total (without duplication of any items) of:
 - i. The reasonable cost to the Contractor for all Work performed prior to the effective date of the termination, determined in accordance with the force account provisions of ARTICLE 46, including the Work done to secure the Project for termination. Reasonable cost may not exceed the applicable percentage completion values derived from the progress schedule and the Cost Breakdown. Deductions shall be made for cost of materials to be retained by the Contractor, cost of Work defectively performed, amounts realized by sale of materials, and for other appropriate credits or offsets against cost of Work as allowed by the Contract Documents. Reasonable cost will include reasonable allowance for Project overhead and general administrative overhead, not to exceed five percent (5%) of the cost. Contractor shall not be entitled to reimbursement under this section for Work for which Contractor has already received, or is eligible to receive, compensation under the terms of the Contract.
 - ii. When, in the District's opinion, the cost of any item of Work is excessively high due to costs incurred to remedy or replace defective or rejected Work, reasonable cost to be allowed will be the estimated reasonable cost of performing the Work in

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compliance with requirements of the Contract Documents and excessive actual cost shall be disallowed.

- iii. A reasonable allowance for profit on cost of Work performed as determined in accordance with ARTICLE 46 provided that the Contractor establishes to the District's satisfaction that the Contractor would have made a profit had the Project been completed, and provided further that the profit allowed shall not exceed five percent (5%) percent of the cost. Contractor shall not be entitled to an allowance for profit on any work for which Contractor has received, or is eligible to receive, compensation under the terms of the Contract.
 - iv. Reasonable costs to the Contractor of handling material returned to vendors, delivered to the District or otherwise disposed of as directed by the District.
 - v. A reasonable allowance for the Contractor's internal administrative costs in preparing termination claim.
 - vi. Reasonable demobilization costs, and reasonable payments made to Subcontractors or suppliers on account of termination.
- 8) In no event shall the District be liable for unreasonable costs incurred by the Contractor or subcontractors after receipt of a notice of termination. Such non-recoverable costs include, but are not limited to, the cost of or anticipated profits on Work not performed as of the date of termination, post-termination employee salaries, unreasonable post-termination administrative expenses, post-termination overhead or unabsorbed overhead, surety costs of any type, costs of preparing and submitting the Contractor's termination claim, attorney fees of any type, and all other costs relating to prosecution of a claim or lawsuit.
- 9) The District shall have no obligation to pay the Contractor under this ARTICLE 51b (Termination for Convenience) unless and until the Contractor provides the District with updated and acceptable as-builts and Record Documents for Work completed prior to termination.
- 10) In arriving at the amount due the Contractor under this clause there shall be deducted in whole or in the appropriate part(s) if the termination is partial:
- 11) All unliquidated advances or other payments on account previously made to the Contractor, including without limitation all payments

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which are applicable to the terminated portion of the Contract Documents,

- 12) Any claim the District may have against the Contractor in connection with the Work, and
 - 13) The agreed price for, or proceeds of sale of, any materials, supplies, or other things kept by the Contractor and not otherwise recovered by or credited to the District.
 - 14) These provisions are in addition to and not in limitation of any other rights or remedies available to the District.
- c. **Savings Clause.** If District terminates Contractor for cause, and if it is later determined that the termination was wrongful, such default termination shall automatically be converted to and treated as a termination for convenience. In such event, Contractor shall be entitled to receive only the amounts payable under this section, and Contractor specifically waives any claim for any other amounts or damages, including, but not limited to, any claim for consequential damages or lost profits.
- d. **Exception.** Notwithstanding any other provision of this Article, when immediate action is necessary to protect life and safety or to reduce significant exposure or liability, the District may immediately order Contractor to cease Work until such safety or liability issues are addressed to the satisfaction of the District or the Contract is terminated.

ARTICLE 53. WARRANTY AND GUARANTEE

- a. Contractor warrants that all materials and equipment furnished under this Contract shall be new unless otherwise specified in the Contract Documents; and that all Work conforms to the Contract Document requirements and is free of any defect whether performed by the Contractor or any subcontractor or supplier.
- b. Unless otherwise stated, all warranty periods shall begin upon the filing of the Notice of Completion. Unless otherwise stated, the warranty period shall be for one year.
- c. The Contractor shall remedy at its expense any damage to District-owned or controlled real or personal property.
- d. Contractor shall furnish the District with all warranty and guarantee documents prior to final Acceptance of the Project by the District.
- e. The District shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage. The Contractor shall within ten (10)

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Days after being notified commence and perform with due diligence all necessary Work to complete or correct the Work at issue. If the Contractor fails to promptly remedy any defect, or damage; the District shall have the right to replace, repair, or otherwise remedy the defect, or damage at the Contractor's expense.

- f. In the event of any emergency constituting an immediate hazard to health, safety, property, or licensees, when caused by Work of the Contractor not in accordance with the Contract requirements, the District may undertake at Contractor's expense, and without prior notice, all actions necessary to correct such condition.
- g. With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for Work performed and Materials furnished under this Contract, the Contractor shall:
 - 1) Obtain for District all warranties that would be given in normal commercial practice or that are required in the Contract Documents;
 - 2) Require all warranties to be executed, in writing, for the benefit of the District; and
 - 3) Enforce all warranties for the benefit of the District, unless otherwise directed in writing by the District.

This Article shall not limit the District's rights under this Contract or with respect to latent defects, gross mistakes, or fraud. The District specifically reserves all rights related to defective work, including but not limited to the defect claims pursuant to California Code of Civil Procedure Section 337.15.

ARTICLE 54. DOCUMENT RETENTION & EXAMINATION

- a. In accordance with Government Code Section 8546.7, records of both the District and the Contractor shall be subject to examination and audit by the State Auditor General for a period of three (3) years after final payment.
- b. Contractor shall make available to the District any of the Contractor's other documents related to the Project immediately upon request of the District.
- c. In addition to the State Auditor rights above, the District shall have the right to examine and audit all books, estimates, records, contracts, documents, bid documents, subcontracts, and other data of the Contractor (including electronic records, computations and projections) related to negotiating, pricing, or performing the modification in order to evaluate the accuracy and completeness of the cost or pricing data at no additional cost to the District, for a period of four (4) years after final payment.

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ARTICLE 55. SOILS INVESTIGATIONS

When a soils investigation report for the Project site is available, such report shall not be a part of the Contract Documents. Any information obtained from such report as to subsurface soil condition, or to elevations of existing grades or elevations of underlying rock, is approximate only and is not guaranteed. Contractor acknowledges that any soils investigation report (including any borings) was prepared for purposes of design only and Contractor is required to examine the site before submitting its bid and must make whatever tests it deems appropriate to determine the underground condition of the soil.

ARTICLE 56. SEPARATE CONTRACTS

- a. The District reserves the right to let other contracts in connection with this Work or on the Project site. Contractor shall cooperate with and permit other contractors reasonable access and storage of their materials and execution of their work and shall properly connect and coordinate its Work with theirs.
- b. To ensure proper execution of its subsequent Work, Contractor shall immediately inspect work already in place and shall at once report to the Engineer any problems with the work in place or discrepancies with the Contract Documents.
- c. Contractor shall ascertain to its own satisfaction the scope of the Project and nature of any other contracts that have been or may be awarded by the District in prosecution of the Project to the end that Contractor may perform this Contract in the light of such other contracts, if any. Nothing herein contained shall be interpreted as granting to Contractor exclusive occupancy at site of the Project. Contractor shall not cause any unnecessary hindrance or delay to any other contractor working on the Project. If simultaneous execution of any contract for the Project is likely to cause interference with performance of some other contract or contracts, the Engineer shall decide which Contractor shall cease Work temporarily and which contractor shall continue or whether work can be coordinated so that contractors may proceed simultaneously. The District shall not be responsible for any damages suffered or for extra costs incurred by Contractor resulting directly or indirectly from award, performance, or attempted performance of any other contract or contracts on the Project site.

ARTICLE 57. NOTICE AND SERVICE THEREOF

All notices shall be in writing and either served by personal delivery or mailed to the other party as designated in the Bid Forms. Written notice to the Contractor shall be addressed to Contractor's principal place of business unless Contractor designates another address in writing for service of notice. Notice to District shall be addressed to the District as designated in the Notice Inviting Bids unless District designates another address in writing for service of notice. Notice shall be effective upon receipt or five (5) Days after being sent by first class mail, whichever is earlier. Notice given by facsimile shall not be effective unless acknowledged in writing by the receiving party.

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ARTICLE 58. NOTICE OF THIRD PARTY CLAIMS

Pursuant to Public Contract Code Section 9201, the District shall provide Contractor with timely notification of the receipt of any third-party claim relating to the Contract.

ARTICLE 59. STATE LICENSE BOARD NOTICE

Contractors are required by law to be licensed and regulated by the Contractors' State License Board which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four (4) years of the date of the alleged violation. A complaint regarding a latent act or omission pertaining to structural defects must be filed within ten (10) years of the date of the alleged violation. Any questions concerning a contractor may be referred to the Registrar, Contractors' State License Board, P.O. Box 26000, Sacramento, California 95826.

ARTICLE 60. INTEGRATION

- a. This Contract, together with its incorporated documents, contains the entire, integrated agreement of the parties hereto, and supersedes any and all other prior or contemporaneous negotiations, understandings and oral or written agreements between the parties hereto. Each party acknowledges that no representations, inducements, promises or agreements have been made by any person which are not incorporated herein, and that any other agreements shall be void.
- b. Any modification of this Contract shall be effective in in writing signed by all parties hereto. No oral order, objection, direction, claim or notice by any party or person shall affect or modify any of the terms or obligations contained in the Contract Documents.

ARTICLE 61. ASSIGNMENT

Contractor shall not assign, transfer, convey, sublet, or otherwise dispose of this Contract or any part thereof including any claims, without prior written consent of the District. Any assignment without the written consent of the District shall be void. Any assignment of money due or to become due under this Contract shall be subject to a prior lien for services rendered or Material supplied for performance of Work called for under the Contract Documents in favor of all persons, firms, or corporations rendering such services or supplying such Materials to the extent that claims are filed pursuant to the Civil Code, the Code of Civil Procedure or the Government Code.

ARTICLE 62. CHANGE IN NAME AND NATURE OF CONTRACTOR'S LEGAL ENTITY

Should a change be contemplated in the name or nature of the Contractor's legal entity, the Contractor shall first notify the District in order that proper steps may be taken to have the change reflected on the Contract and all related documents. No change of

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Contractor's name or nature will affect District's rights under the Contract, including but not limited to the bonds.

ARTICLE 63. ASSIGNMENT OF ANTITRUST ACTIONS

Pursuant to Section 7103.5 of the Public Contract Code, in entering into a public works contract or subcontract to supply goods, services, or materials pursuant to a public works contract, Contractor or subcontractor offers and agrees to assign to the District all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (chapter 2 (commencing with Section 16700) of part 2 of division 7 of the Business and Professions Code), arising from the purchase of goods, services, or materials pursuant to this Contract or any subcontract. This assignment shall be made and become effective at the time the District makes final payment to the Contractor, without further acknowledgment by the parties.

ARTICLE 64. PROHIBITED INTERESTS

No District official or representative who is authorized in such capacity and on behalf of the District to negotiate, supervise, make, accept, or approve, or to take part in negotiating, supervising, making, accepting or approving any engineering, inspection, construction or material supply contract or any subcontract in connection with construction of the project, shall be or become directly or indirectly interested financially in the Contract.

ARTICLE 65. LAWS AND REGULATIONS

- a. Contractor shall give all notices and comply with all federal, state and local laws, ordinances, rules and regulations bearing on conduct of work as indicated and specified by their terms. References to specific laws, rules or regulations in the Contract Documents are for reference purposes only and shall not limit or affect the applicability of provisions not specifically mentioned. If Contractor observes that drawings and Specifications are at variance therewith, he shall promptly notify the Engineer in writing and any necessary changes shall be adjusted as provided for in this Contract for changes in work. If Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Engineer, he shall bear all costs arising therefrom.
- b. Contractor shall be responsible for familiarity with the Americans with Disabilities Act ("ADA") (42 U.S.C. § 12101 et seq.). The Work will be performed in compliance with ADA laws, rules and regulations. Contractor shall comply with the Historic Building code, including but not limited to, as it relates to the ADA, whenever applicable.
- c. Contractor acknowledges and understands that, pursuant to Public Contract Code section 20676, sellers of "mined material" must be on an approved list of sellers

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published pursuant to Public Resources Code section 2717(b) in order to supply mined material for this Contract.

ARTICLE 66. PATENT FEES OR ROYALTIES.

The Contractor shall include in its bid amount the patent fees or royalties on any patented article or process furnished or used in the Work. Contractor shall assume all liability and responsibility arising from the use of any patented, or allegedly patented, materials, equipment, devices or processes used in or incorporated with The Work, and shall defend, indemnify and hold harmless the District, its officials, officers, agents, employees and representatives from and against any and all liabilities, demands, claims, damages, losses, costs and expenses, of whatsoever kind or nature, arising from such use.

ARTICLE 67. OWNERSHIP OF DRAWING

All Contract Documents furnished by the District are District property. They are not to be used by Contractor or any subcontractor on other work nor shall Contractor claim any right to such documents. With exception of one complete set of Contract Documents, all documents shall be returned to the District on request at completion of the Work.

ARTICLE 68. NOTICE OF TAXABLE POSSESSORY INTEREST

In accordance with Revenue and Taxation Code Section 107.6, the Contract Documents may create a possessory interest subject to personal property taxation for which Contractor will be responsible.

END OF GENERAL CONDITIONS

**SECTION 00750
SPECIAL CONDITIONS**

SPECIAL CONDITIONS

SP – 1 DIFFERING SITE CONDITIONS

In the event that site conditions are materially different than shown on the plans or observed during the mandatory site visit, the Contractor shall promptly notify the Engineer in writing. The Engineer shall investigate the conditions, and if found that such conditions do materially differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performance of any part of the Work under this Contract, the Engineer will recommend to the District that an equitable adjustment be made by modifying the Contract by Change Order to account for differing site conditions.

No Claim of the Contractor under this clause or any other shall be allowed unless the Contractor has given notice as indicated above.

No Claim of the Contractor for an equitable adjustment hereunder shall be allowed if asserted after final payment under this Contract.

SP – 2 USE OF STANDARDS

The District's Standard Technical Specifications and Standard Details (most recent edition) are considered a part of the Contract Documents and are the primary reference for technical Specifications for the construction of District projects. Any item of work not specified in the following Technical Specifications sections or not shown in the Bid Drawings shall be subject to the District's Standard Technical Specifications and Standard Details.

SP – 3 DESCRIPTION OF BID ITEMS

The Bid Items listed in Section 00400 Bid Form are described in further detail in Section 00900 – Measurement and Payment. The descriptions provided are intended as a guide for measurement and payment and may not include all items or work necessary to complete the Project. Any items not described, but necessary to complete the Project as specified within the Contract Documents, shall be considered included in the appropriate Bid Item.

SP – 4 DAMAGE TO PAVEMENT AND CONCRETE

The Contractor shall provide all necessary protection to existing pavement and concrete so as to avoid scraping, gouging, imprinting, cracking edges or otherwise causing damage during the entire Project. The District shall direct the Contractor to repair any damage as deemed necessary by the District. The Contractor shall repair said damage using methods required by the District or the parties may agree to an alternative method in advance of said repairs. All costs of repairs to existing pavement and concrete due to damage caused by the Contractor shall be solely the responsibility of the Contractor.

END OF SPECIAL CONDITIONS

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SPECIAL CONDITIONS**

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GENERAL SPECIFICATIONS**

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MINNESOTA DRIVE WATER MAIN PROJECT
C24-101

The work described herein shall be performed according to the Citrus Heights Water District General Specifications as follows:

1. SCOPE OF WORK

The work shall include installing:

- 12 lineal feet of 12" Pressure Class 350 Ductile Iron Pipe (PC 350 DIP)
- 1160 lineal feet of 8" CL 305 DR 14 AWWA C900 Poly Vinyl Chloride Pipe (PVC)
- 141 lineal feet of 8" Pressure Class 350 Ductile Iron Pipe (PC 350 DIP)
- 39 lineal feet of 6" Pressure Class 350 Ductile Iron Pipe (PC350 DIP)

The work shall also include installing:

- Two (2) 12" resilient wedge gate valves
- Four (4) 8" resilient wedge gate valves
- Three (3) 6" resilient wedge gate valves

The work shall also include installing:

- Three (3) steamer fire hydrants

The work shall also include installing:

- Twelve (12) 1" water services with curb stops

The work includes all labor, materials, equipment, and incidentals, to completely install an operating facility in accordance with these Citrus Heights Water District General Specifications and the Contract Documents.

The Work shall be complete, and all work, materials, and services not expressly shown or called for in the Contract Documents which may be necessary for the complete and proper construction of the Work in good faith shall be performed, furnished, and installed by the Contractor as though originally so specified or shown, at no increase in cost to the District.

2. DISTRICT FURNISHED ITEMS

- The District shall furnish water for construction at no cost to the Contractor.

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- The District shall provide for initial compaction testing as deemed necessary by the District at no cost to the Contractor.
- The District shall provide for bacteriological sampling of the water in the water main and services prior to reconnection of same at no cost to the Contractor.
- The District shall provide an Encroachment Permit approved by the **City of Citrus Heights** and pay all costs for fees and inspection at no cost to the Contractor.
- The District shall file and maintain a Notice of Exemption for the California Environmental Quality Act (CEQA).

3. CONTRACTOR FURNISHED ITEMS

- The Contractor shall furnish all other material including but not limited to pipeline and appurtenances, sand, 3/4" aggregate base, concrete for thrust blocks, temporary and final paving, and hauling and disposal of spoils. The Contractor is advised to order and acquire the specified materials well enough in advance so as not to cause the Project to be delayed or to necessitate substitutions. Additional work days will not be granted for failure to obtain materials in a timely manner.
- The Contractor shall be responsible for obtaining any necessary permit for the disposal of chlorinated water and coordinating with the proper agency. Any variation on this method will require approval in advance by Citrus Heights Water District. The discharge of chlorinated water into any surface water drainage system is strictly prohibited by law.
- The Contractor shall acquire furnish a Traffic Control Plan approved by the County of Sacramento. The Traffic Control Plan shall comply with the Encroachment Permit.

4. ITEMS OF WORK, MEASUREMENT AND PAYMENT

Bid Item 1 Mobilization: Includes obtaining a temporary discharge permit as required. Includes preparatory work and operations, including, but not limited to, that necessary for the movement of personnel, equipment, supplies, and incidentals to the Project site; for the establishment of all work site offices, buildings, and other facilities necessary for the Project; and for all other work and operations which must be performed, including costs incurred, prior to beginning work on the various contract items at the work site.

The bid item for mobilization shall be no more than eight percent (8%) of the total contract amount. The first payment for mobilization shall be one hundred percent (100%) of the bid item amount. The Contractor shall submit an invoice to the District for payment of

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mobilization upon execution of the Agreement for Construction Services.

Bid Item 2, Sheeting, Shoring and Bracing: Consists of providing sheeting, shoring and bracing for below-grade excavations as is necessary to provide a safe work environment for the workers. The Contractor shall be responsible for the proper application of sheeting, shoring, and bracing as required at any trench depth. Furthermore, the Contractor shall comply with all requests by the District Inspector for applying of sheeting, shoring, and bracing at any trench depth.

The Contractor shall refer directly to Title 8 of the California Code of Regulations and the Labor Code, produced by the State of California Department of Industrial Relations and the Cal/OSHA Consultation Service Research and Education Unit, for detailed information regarding the regulation's scope, specifications, and exceptions and for other requirements that may be applicable to their operations.

The bid item for sheeting, shoring, and bracing shall be no more than one percent (1%) of the total contract amount. The first payment for sheeting, shoring, and bracing shall be one hundred percent (100%) of the bid item amount. The Contractor shall submit an invoice to the District for payment of sheeting, shoring, and bracing upon execution of the Agreement for Construction Services.

Bid Item 3, Traffic Control Plan and Implementation: Includes preparing and obtaining approval for a Traffic Control Plan, procurement and placement of all traffic control materials, equipment, and markings, and fulfillment of all other requirements as specified in the approved Traffic Control Plan. The Contractor shall coordinate required inspections with the County of Sacramento Encroachment Inspector. The Contractor shall comply with the approved County of Sacramento encroachment Permit and shall implement traffic control procedures as directed by the County Inspector and the District Inspector. The Contract lump sum price paid for Traffic Control Implementation includes compensation for all labor, materials, tools, equipment and incidentals and for all work involved with Traffic Control Implementation, including placement of surface mounted channelizers, , construction area and stationary mounted signs, project information signs, flagging, removal of all traffic control materials, equipment, and markings from the site upon completion of work, complete in place, as shown on the Project Plans and as directed by the County Inspector.

The bid item for the traffic control plan and implementation shall be no more than five percent (5%) of the total contract amount. The first payment for the traffic control plan and implementation shall be fifty percent (50%) of the bid item amount and shall be invoiced with the Contractor's monthly payment request following receipt of the Notice to Proceed from the District. The remaining fifty percent (50%) of the bid item amount shall be invoiced by the Contractor with the following monthly payment request.

Bid Item 4, Storm Water Pollution Prevention Implementation: Includes procurement and placement of all storm water pollution protection materials and

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equipment, and fulfillment of all other requirements as specified in the Project Plan. The Contractor shall coordinate required inspections with the County of Sacramento Encroachment Inspector and the District Inspector. The Contractor shall comply with changes to the approved storm water pollution protection plans as required by the County of Sacramento Encroachment Inspector and the District Inspector. The contract lump sum price paid for Storm Water Pollution Prevention Implementation includes compensation for all labor, materials, tools, equipment and incidentals and for doing all work involved with Storm Water Pollution Prevention Implementation, including filter bags, gravel filled bags, geotextile fabric or erosion control blankets, staples, temporary fiber rolls, stakes, and removal of all storm water pollution protection materials and equipment from the site upon completion of work and as directed by the County and District Inspectors.

The bid item for the storm water pollution prevention plan and implementation shall be no more than one percent (1%) of the total contract amount. Payment for the storm water pollution prevention plan and implementation shall be one hundred percent (100%) of the bid item amount and shall be invoiced with the Contractor's monthly payment request following receipt of the Notice to Proceed from the District.

Bid Item 5, Install 12" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) Water Main:

Includes construction saw cutting and removal of existing paving, excavation, all potholing prior to or during construction, and the installation of 6" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) water main, mechanically restrained with bolted external joints, as indicated on the Project Plan. Includes the installation of tees, elbows, caps, spools, and adaptors, flexible couplings, nuts, bolts, gaskets, insulated locator wire and non-detectable locator tape, thrust blocks, backfill, compaction, and temporary paving. Includes disinfection, hydrostatic pressure testing (150 PSI for two hours), flushing, and bacteriological testing of the new water mains prior to connecting to the existing water mains. Payment shall be at the contract unit price per each unit, complete.

See *CONSTRUCTION DETAILS "TREN_712" and "TREN_713CH"*

Bid Item 6, Install 8" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) Water Main:

Includes construction saw cutting and removal of existing paving, excavation, all potholing prior to or during construction, and the installation of 6" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) water main, mechanically restrained with bolted external joints, as indicated on the Project Plan. Includes the installation of tees, elbows, caps, spools, and adaptors, flexible couplings, nuts, bolts, gaskets, insulated locator wire and non-detectable locator tape, thrust blocks, backfill, compaction, and temporary paving. Includes disinfection, hydrostatic pressure testing (150 PSI for two hours), flushing, and bacteriological testing of the new water mains prior to connecting to the existing water mains. Payment shall be at the contract unit price per each unit, complete.

See *CONSTRUCTION DETAILS "TREN_712" and "TREN_713CH"*

Bid Item 7, Install 8" CL305 DR 14 AWWA C900 Polyvinylchloride (PVC) Water Main:

Includes construction saw cutting and removal of existing paving, excavation, all potholing

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prior to or during construction, and the installation of 8" CL305 DR 14 AWWA C900 Polyvinylchloride (PVC) water main, mechanically restrained with bolted external joints, as indicated on the Project Plan. Includes the installation of tees, elbows, caps, spools, and adaptors, flexible couplings, nuts, bolts, gaskets, insulated locator wire and non-detectable locator tape, thrust blocks, backfill, compaction, and temporary paving. Includes disinfection, hydrostatic pressure testing (150 PSI for two hours), flushing, and bacteriological testing of the new water mains prior to connecting to the existing water mains. Payment shall be at the contract unit price per each unit, complete.

See *CONSTRUCTION DETAIL "TREN_713CH"*

Bid Item 8, Install 6" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) Water Main:

Includes construction saw cutting and removal of existing paving, excavation, all potholing prior to or during construction, and the installation of 6" Pressure Class 350 Ductile Iron Pipe (PC350 DIP) water main, mechanically restrained with bolted external joints, as indicated on the Project Plan. Includes the installation of tees, elbows, caps, spools, and adaptors, flexible couplings, nuts, bolts, gaskets, insulated locator wire and non-detectable locator tape, thrust blocks, backfill, compaction, and temporary paving. Includes disinfection, hydrostatic pressure testing (150 PSI for two hours), flushing, and bacteriological testing of the new water mains prior to connecting to the existing water mains. Payment shall be at the contract unit price per each unit, complete.

See *CONSTRUCTION DETAILS "TREN_712" and "TREN_713CH"*

Bid Item 9, 8" Connection to Existing 12" Water Main: Includes connecting newly constructed 8" water main to existing 12" water main as indicated on the Project Plan. Includes installing all materials and fittings, with the exception of water main, as necessary to obtain proper alignment with the existing water main as indicated on the Project Plan. Water main shall be invoiced at the linear footage price as part of the appropriate bid item. Includes potholing prior to construction, insulated locator wire and non-detectable locator tape, backfill, and compaction. Includes disinfection, flushing, and bacteriological testing. Includes removal of existing caps and blow-offs, valve boxes and risers, and thrust blocks regardless of size. Payment shall be at the contract unit price per each unit, complete.

See *PROJECT PLANS, Sheet 4, Note 1.*

Bid Item 10, 8" Connection to Existing 6" Flanged Valve: Includes connecting newly constructed 8" water main to existing 6" FL valve as indicated on the Project Plan. Includes installing all materials and fittings, with the exception of water main, as necessary to obtain proper alignment with the existing water main as indicated on the Project Plan. Water main shall be invoiced at the linear footage price as part of the appropriate bid item. Includes potholing prior to construction, insulated locator wire and non-detectable locator tape, backfill, and compaction. Includes disinfection, flushing, and bacteriological testing. Includes removal of existing caps and blow-offs, valve boxes and risers, and thrust blocks regardless of size. Payment shall be at the contract unit price per each unit, complete.

See *PROJECT PLANS, Sheet 6, Note 1.*

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Bid Item 11, Install 12" Resilient Wedge Gate Valve: Includes installing a 12" FL x FL or FL x MJ resilient wedge gate valve. Includes valve box, valve access riser, and locator wire. Payment shall be at the contract unit price, complete.

See *CONSTRUCTION DETAIL "VB_811"*

Bid Item 12, Install 8" Resilient Wedge Gate Valve: Includes installing an 8" FL x FL or FL x MJ resilient wedge gate valve. Includes valve box, valve access riser, and locator wire. Payment shall be at the contract unit price, complete.

See *CONSTRUCTION DETAIL "VB_811"*

Bid Item 13, Install 6" Resilient Wedge Gate Valve: Includes installing a 6" FL x FL or FL x MJ resilient wedge gate valve. Includes valve box, valve access riser, and locator wire. Payment shall be at the contract unit price, complete.

See *CONSTRUCTION DETAIL "VB_811"*.

Bid Item 14, Install Dry Barrel Steamer Fire Hydrant: Includes installing a dry barrel steamer fire hydrant. Includes construction saw cutting and removal of existing paving, potholing during construction, excavation, thrust block, backfill, compaction, and temporary paving. Includes disinfection, bacteriological and hydrostatic pressure testing (150 PSI for two hours), and flushing. Payment shall be at the contract unit price, complete. Fire hydrant lateral piping to be installed and invoiced per the appropriate bid item.

See *CONSTRUCTION DETAIL "FH_612"*.

Bid Item 15, Install Concrete Fire Hydrant Access Pad: Includes installation of a concrete fire hydrant access pad only at locations as indicated on the Project Plans. Payment shall be at the contract price per each unit, complete.

See *CONSTRUCTION DETAIL "FH_683"*.

Bid Item 16, Install 1" Water Service with Curb Stop: Includes the installation of a 1" polyethylene water service as specified by open-cut trenching (or by directional boring, where instructed or approved by the District). Includes installation of a 1" curb stop and connecting to customer's existing 1" meter setter at the existing meter box with all brass fittings as required. Includes excavating and reinstalling the existing meter box to proper grade with new 2" x 6" pressure treated Douglas Fir supports and replacing the 3/4" clean crushed rock. Includes cutting, capping, and abandoning the existing water service. Includes backfill, compaction, disinfection, and hydrostatic pressure testing (150 PSI for two hours). Includes construction saw cutting and removal of existing paving, potholing during construction, and excavation, non-detectable locator tape, #10 insulated copper locator wire, backfill, compaction, and temporary paving. Payment shall be at the contract unit price per each unit, complete.

See *CONSTRUCTION DETAILS "WS_108PE", "TREN_722", and "TREN_723CH"*.

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Bid Item 17, Remove Existing Steamer Fire Hydrant: Includes removal of an existing fire hydrant. Includes plugging the abandoned water main with concrete. Includes proper disposal of the fire hydrant. Includes excavation, backfill, and compaction. Payment shall be at the contract unit price per each unit, complete.

See PROJECT PLANS, Sheet 4, Note 11.

See PROJECT PLANS, Sheet 5, Note 5.

Bid Item 18, Remove Existing Tee and Valve(s): Includes removal of an existing tee and valve assembly. Includes plugging the abandoned water main with concrete. Includes proper disposal of the tee and valve(s). Includes excavation, backfill, and compaction. Replacement piping to be included in Bid Item 5, not here. Payment shall be at the contract unit price per each unit, complete.

See PROJECT PLANS, Sheet 4, Note 10.

Bid Item 19, Remove Valve Box: Includes removal of an existing valve box, including the riser to 3' below finish grade. Includes closing the valve and back filling to 95% compaction. Landscape restoration to be included in Bid Item 21, not here. Payment shall be at the contract unit price per each unit, complete.

See PROJECT PLANS, Sheet 4, Note 12.

See PROJECT PLANS, Sheet 5, Note 6.

Bid Item 20, 4" Max. Depth Asphaltic Concrete (AC) Paving Restoration: This work includes removal of temporary paving, surface preparation, subsurface compaction as necessary and installation of 1/2" aggregate Asphalt Concrete to a 4" Maximum depth (installed in 2" maximum lifts) in accordance with City of Citrus Heights and County of Sacramento Construction Specifications. Spoils from demolition shall be properly disposed of by the Contractor outside City right-of-way. Includes repairing and repainting section(s) along trench path of three speed bumps disturbed during trenching.

Final paving lift shall be applied using a paving finishing machine to provide an even surface with minor compaction. Hand raking of the final paving lift shall be minimal and only in areas where a paving finishing machine cannot be used. No disturbance of the paving shall be allowed until a pavement roller has adequately compacted the paving, and the paving has properly cooled. All paving not conforming to said specifications shall be removed and properly replaced by the Contractor at no cost to the District.

The contract unit price paid per square foot for 4" Asphaltic Concrete (AC) Paving Restoration shall include compensation for all labor, materials, tools, equipment, and incidentals and for doing all work involved in 4" Asphaltic Concrete Paving Restoration, including all pavement striping, lettering, and reflective buttons, complete in place, as shown on the plans, as specified in these specifications, and as directed by the District Inspector. Payment shall be based upon the quantity of paving restoration.

See CONSTRUCTION DETAILS "TREN_713CH" and "TREN_723CH."

Bid Item 21, Landscape Restoration – Lawn or Planter Area: This work consists of

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restoring customer's lawn or planter area to its original or better condition prior to water installation. Includes sod and decomposed granite removal and replacement or reinstallation, grading, mulching, irrigation and sprinkler systems, and a general site cleanup. Payment shall be at the contract price per each unit, complete.

See SPECIAL PROVISIONS, Landscape Restoration.

5. ORDER OF WORK

The order of work outlined below is to minimize public inconvenience and water service interruptions. The Contractor is to submit a more detailed written schedule of the order of work based on this outline.

1. Obtain approvals of submittals for the following items: Discharge permit if required, materials, pipeline and appurtenances, backfill material design, asphalt mix design, concrete design mix, and Construction Schedule.
2. Order and coordinate delivery of material and equipment, and request location services from Underground Service Alert (USA). Telephone: 1-800-642-2444 or 811.
3. Install new water mains, including fire hydrants and appurtenances, with temporary caps with 2" blow-offs at points of connection to the existing system. Obtain approval from the District for installation and then backfill excavation.
4. Install water services in accordance with the Plans and District General Specifications and Details. Obtain approval from the District for installation and then backfill excavation.
5. Install temporary 2" Construction Water Service(s) as required by the District Inspector to allow pressurization of the old system and the new system simultaneously.
See CONTRUCTION DETAILS, Construction Detail WS_290.
6. Flush and hydrostatically test water mains and services. District performs bacteriological sampling.
7. Coordinate with District Inspector for connecting new water mains to existing water mains upon notification by District of satisfactory bacteriological sampling.
8. Connect all water services to customers' lines upon notification by District of satisfactory bacteriological sampling.
9. Abandon old facilities. All open ends of old facilities shall be concrete capped. All abandoned valve boxes shall be removed.

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10. Restore sites to pre-construction conditions as required and obtain approval from the District and the County of Sacramento.

6. BACTERIOLOGICAL TESTING PROCEDURE AND TIMETABLE

Before project construction begins:

1. CHWD Water Quality personnel shall sample for both Coliform (Presence/Absence) and Heterotrophic Plate Count (HPC) on mains adjacent to the project. (SimPlate may be substituted for HPC)

During project:

2. CHWD Project Management personnel will provide a 24-hour notice to the Regional Water Quality Control Board for all flushing events.
3. The newly constructed mains shall be filled by the contractor and purged to remove any trapped air using the District-approved and tested backflow prevention device. All best management practices shall be followed to ensure no sediment or chlorine reaches any drain inlet or creek.
4. The newly constructed mains shall pass the District pressure check requirements.
5. The mains shall be chlorinated at 100 ppm for a minimum of 24 hours by the contractor using an approved chlorination specialist.
6. The chlorine concentration shall be checked after 24 hours and a minimum residual of 25 ppm must be present throughout the new mains.
7. The mains shall be flushed by the contractor until the chlorine concentration matches the normal system residual. All best management practices shall be followed to insure no sediment or chlorine reaches any drain inlet or creek.
8. CHWD Project Management personnel shall submit a sampling plan to the Operations Manager for approval.
9. CHWD Water Quality personnel, when practical, will collect Coliform and HPC samples according to the approved sampling plan. The sampling schedule will be submitted to the Operations Manager and the Water Quality Supervisor with at least a 24-hour notice.
10. Samples shall be taken for both Coliform and Heterotrophic Plate Count (HPC) at 24 and 48 hour intervals after completion of flushing.

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11. CHWD Project Management personnel shall submit negative sample documentation to Operations Manager for acceptance prior to the any connections to the CHWD distribution system. Sample result documentation generally takes 3-5 business days after samples are delivered to lab.
12. CHWD Water Quality personnel will sample mains downstream of project for Coliform and HPC after the new main is connected to the CHWD distribution system.

The Contractor shall allow 8-10 business days for the Disinfection/Sampling Procedure prior to any connection to the District's distribution system. Larger systems will require additional time for chlorination and flushing. Bacteriological samples shall only be collected between 8:00am and 2:00pm Monday through Thursday. Any positive results on any sample taken shall require a repeat of the Disinfection/Sampling Procedure until all samples test negative. HPC samples require a plate count of less than 500 on any sample taken.

1. DAY 1 - Chlorinate new mains to 100 PPM and complete to allow flushing time on following day.

---24-hour chlorine detention period---

2. DAY 2 - Flush new mains to normal residual and complete before 2:00pm. (Similar to system residual)

---24-hour sampling detention period---

3. DAY 3 - Obtain first Coliform and HPC samples before 2:00pm.

---24-hour sampling detention Period---

4. DAY 4 - Obtain second Coliform and HPC samples before 2:00pm.

---3 to 5 business days for laboratory testing and review---

5. DAY 7-9 - Sample documentation provided to Operations Manager and customer notification of shut-down

---24-hour notification period---

6. DAY 8-10 - Connection to CHWD distribution system only after clearance from Operations Manager is received.

7. EXCAVATION AND POTHOLING

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Prior to beginning any excavation, the Contractor shall call Underground Service Alert (USA) (800) 642-2444 or 811, at least two (2) working days in advance, to arrange for utility location. The Contractor shall be responsible for the location and protection of all existing utilities. **The Contractor shall expose and verify locations and elevations of existing utilities prior to construction as specified in the plans and specifications. The types, locations, sizes and/or depths of the existing underground utilities as shown on the plans were obtained from sources of varying reliability. The Contractor is cautioned that only actual excavation will reveal the types, extent, sizes, location, and depths of such underground utilities. If a utility is damaged, the Contractor shall contact the utility company immediately for repair.** The Contractor shall pay all costs for such repair if said damage is determined to be the responsibility of the Contractor. The Contractor shall receive no additional compensation for removing and reinstalling any pipe or appurtenances due to a lack of proper advance potholing.

Removal of soil, concrete, asphalt and other existing improvements shall be considered as excavation. Excavation shall also include exploration and/or "Potholing" to determine the location of existing underground facilities and obstructions, and shall be considered as a normal part of this work.

The Contractor shall immediately advise the District of inaccurate pothole data or any other pothole data which presents a conflict to the proposed water main alignment. The District shall provide direction in advance of any water main installation to resolve the conflict.

The District assumes no responsibility for the accuracy of utility markings other than water mains and appurtenances. Should the Contractor fail to locate any utility, the Contractor shall be solely responsible for contacting that utility to schedule a re-mark. The Contractor is advised that the District assumes no responsibility for additional costs for further excavation to locate a non-water related utility.

Furthermore, should the Contractor choose to abandon all attempts to locate a utility, the Contractor is hereby advised that they are proceeding with water main installation at their own risk. The District will not provide any written waiver of the requirement to locate in such case. Should the Contractor later encounter the utility during trenching operations, the District assumes no responsibility for cost of realignment of the new water main or repair for damage to the utility.

8. REMOVAL, RELOCATION OR PROTECTION OF EXISTING UTILITIES

In accordance with the provisions of Section 4215 of the California Government Code, any contract to which a public agency, as defined in Section 4402, is a party, the public agency shall assume the responsibility, between the parties to the contract, for the timely removal, relocation, or protection of existing main or trunk-line utility facilities located on the site of any construction project that is a subject of the contract, if such utilities are not identified by the public agency in the Project Plans and general specifications made a

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part of the Notice Inviting Bids. The agency shall compensate the Contractor for the costs of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, and removing or relocating such utility facilities not indicated in the plans and general specifications with reasonable accuracy, and for equipment on the Project necessarily idled during such work.

The Contractor shall not be assessed liquidated damages for delay in completion of the Project, when such delay was caused by the failure of the public agency or the owner of the utility to provide for removal or relocation of such utility facilities.

Nothing herein shall be deemed to require the public agency to indicate the presence of existing service laterals or appurtenances when the presence of such utilities on the site of the construction project can be inferred from the presence of other visible facilities, such as buildings, meter and junction boxes, on or adjacent to the site or construction; provided, however, nothing herein shall relieve the public agency from identifying main or trunk lines in the Project Plans and specifications.

If the Contractor, while performing the Contract, discovers utility facilities not identified by the public agency in the contract Documents it shall immediately notify the public agency and utility in writing.

The public utility, where they are the owners, shall have the sole discretion to perform such repairs or relocation work or permit the Contractor to do such repairs or relocation work at a negotiated price.

The Contractor shall cooperate fully with all utility forces of the District or forces of other public or private agencies engaged in the relocation, altering, or otherwise rearranging of any facilities which interfere with the progress of the work, and shall schedule the work so as to minimize interference with said relocation, altering, or other rearranging of facilities.

9. HOURS OF WORK

The Contractor shall schedule all work activities per the Encroachment Permits (**This shall include private roadways**), Monday through Friday, with Saturdays, Sundays, and District Holidays being excluded. The Contractor shall indicate the need for non-normal work hours in the various schedules submitted during the progress of the Project.

Overtime work shall not entitle the Contractor to any compensation for any contract item in addition to that stipulated in the contract for the kind of work performed. In case of extra work ordered by the District, no additional payment shall be made to the Contractor because of the payment by him of overtime wage rates for such work, unless the use of overtime work in connection with such extra work is specifically ordered in writing by the District, and then only to such extent as extra payment is regularly being made by the Contractor to his personnel for overtime work of a similar nature in the same locality.

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If, due to Contractor negligence, the District is called out after hours to restore water service, the Contractor shall be back-charged at a rate of \$75 per hour per District employee for said restoration. All such charges shall be documented by the District and deducted by the District from retention monies due the Contractor.

10. MATERIAL SUBMITTALS

The Contractor shall submit the following items for District approval prior to the beginning of the Project:

Submittal List

<u>Item Description</u>	<u>Submittal Summary</u>
Pipe, Valves and Fittings	Product Data Sheets or other information
Service Materials	Product Data Sheets or other information
Valve Boxes and Lids	Product Data Sheets
Sand	Gradation and Material Certification
Import Backfill	Gradation and Material Certification
Asphalt Mix Design	Mix Design
Concrete Mix Design	Mix Design
Chlorination Specialist	Applicable State Contractors License Number
Asbestos Cement Pipe	Applicable Asbestos Training Certificate (when required)

11. VARIATIONS FROM PLANS AND SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS

Any portions of the work, which do not conform to the General Specifications, Special Provisions, Construction Details, Map and Project Plans, or other Contract Documents, shall be clearly identified by the Contractor in a written letter noting such variation. In the event of a conflict between the General Specifications and Special Provisions, the Special Provisions shall prevail.

The District reserves the right to make such modifications or alterations, reductions or omissions, extra or additional work to the General Specifications and Contract Documents, including the right to increase or decrease the quantity of any item or portion of the work or to omit any item or portion of the work, as may be deemed by the District as necessary or advisable, and to require such extra work as may be determined by the District to be required for the proper completion or construction of the whole work contemplated. All charges shall be considered a part hereof and subject to each and all of its terms and requirements.

Increases or decreases in the quantities shown in the bid schedule, regardless of the magnitude of the change, the percentage change from the bid schedule quantity or the elimination of a contract item of work does not constitute a change requiring a change

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order, a change in the scope of the work, or a change in the character of the work. Contractor shall be paid the unit price quoted in the Proposal for Construction Services for the actual quantities used.

No change or deviation from the Contract Documents or General Specifications shall be made by the Contractor without written authorization from the District setting forth a complete description of the change.

12. CALIFORNIA CONTRACTOR'S LICENSE CLASSIFICATION

In accordance with the provisions of California Public Contract Code Section 3300, the District has determined that the Contractor must possess a valid California State Class A - General Engineering Contractor Contractor's License at the time that the Contract is awarded and throughout the Contract's duration. Failure to possess the specified license shall render the bid as non-responsive, and shall act as a bar to award the Contract to any bidder not possessing said license at the time of award.

13. SUBCONTRACT DOCUMENTS

Subcontractor(s) shall possess a valid California State Contractor's License as applicable to the work performed. All subcontracts shall include provisions that the Contract between the District and Contractor is part of the subcontract, and that all terms and provisions of said Contract are incorporated in the subcontract. Copies of the subcontract shall be made available to the District upon written request and shall be provided to the District at the time any litigation is filed against the District concerning the Project. The Contractor shall pay subcontractor(s) for completed work within thirty (30) days of receipt of payment from the District.

14. PERMIT FOR CONSTRUCTION WATER

A Construction Water Permit, a fire hydrant meter, and a fire hydrant meter deposit is required for use of any District fire hydrant(s). The construction water fees are waived for the duration of the Contract and shall entitle the Contractor access to and reasonable use of water from assigned fire hydrants connected to the District's water distribution system.

15. SAFETY AND HEALTH PROVISIONS

Fixed or portable chemical toilets, properly obscured from public observance, shall be provided for the use of the employees of the Contractor. Toilets at the site shall conform with OSHA Safety and Health Standards for Construction. Toilets shall be serviced daily and shall be removed from the work site on Saturdays, Sundays, and District Holidays unless work is authorized for those days.

16. INJURY AND ILLNESS PREVENTION/HAZARD COMMUNICATION

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The Contractor shall maintain written "Injury and Illness Prevention," "Confined Space Entry," and "Hazard Communications" programs and shall provide the District with documentation of same prior to the execution of the Agreement for Construction Services.

17. PRE-CONSTRUCTION CONFERENCE

A Pre-construction Conference shall be held at the office of the Project Manager (Citrus Heights Water District, 6230 Sylvan Road, Citrus Heights, CA 95610) for the purpose of discussing with the Contractor the Scope of Work, General Specifications, existing conditions, submittals, materials, construction equipment, and other essential matters relating to the satisfactory completion of the work. This conference shall be held prior to the issuance of the Notice to Proceed. The Contractor's representatives shall include the Competent Person, Project on-Site Superintendent, other primary superintendents and may also include representative's subcontractors, service providers and material suppliers if any.

18. PROJECT MEETINGS

The Contractor, the District Inspector, and Project Manager shall establish a routine meeting schedule throughout the course of the Project to discuss progress, changes, questions, and to update the Project Schedule. Meetings shall occur at two week intervals or more frequently if needed.

19. CONSTRUCTION SCHEDULE

A Construction Schedule shall be prepared and submitted by the Contractor to the District for review and approval prior to the issuance of the Notice to Proceed. Biweekly updates shall be provided thereafter and until completion of the project. Full compensation for preparing the Construction Schedule and biweekly updates thereto shall be considered as included in the contract prices paid for the various items of work, and no additional payment will be allowed therefor.

20. EMERGENT MATTERS AFTER HOURS

Matters requiring an emergent response after working hours include but are not limited to public safety and the protection of private property, such as; degradation of temporary paving, unsafe traffic plates, leaking piping, customers without water service, violations of storm water pollution prevention implementation and unsafe construction. The Contractor is advised that the District has the authority to determine what matters shall constitute an emergency, and the Contractor shall respond to all such emergencies until measures have been taken to remedy the matter to the District's satisfaction.

21. EMERGENCY CONTACT AND CONTRACTOR RESPONSE

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Prior to commencement of the Project, the Contractor shall designate a competent person to be responsible for responding to emergencies during non-work hours resulting from the Contractor's work. Said person shall be available at all hours and shall be housed near the Project site. The maximum allowable response time shall be 30-minutes as determined by MapQuest. The District shall be provided with a cellular telephone number and other relevant contact information for said designated competent person. The Contractor is solely responsible for informing the District of any changes in designation of the responsible person or contact information during the course of the Project.

22. TRENCH AND EXCAVATION COMPETENT PERSON ASSIGNMENT AND RESPONSIBILITIES

The Contractor is hereby notified that a Trench and Excavation Competent Person shall be assigned to the Project at all times and shall be present on the Project during any and all work periods as specified in the Competent Person Assignment Form (see following page). The Trench and Excavation Competent Person shall be present at the Pre-Construction Conference and shall complete and sign this Form during the Conference. Should substitution of the assigned Trench and Excavation Competent Person be required, a new form shall be completed prior to initiating or continuing any work period, and that substituted Trench and Excavation Competent Person shall assume all responsibilities of the title.

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Trench and Excavation “Competent Person” Assignment

PROJECT NAME: _____

(Name of individual) _____
has been designated a “Competent Person” for Trenching & Excavation Operations by

(Name of employer) _____
based on the individual’s training, experience and demonstrated skills in the following:

1. Knowledge of Cal-OSHA Code of Regulations, Title 8, Article 6 Excavations (Section 1539-1547)
2. Soil classification
3. Use of protective systems and safe access to and from all work levels or surfaces

As such, the individual has the ability to detect:

1. Conditions that could result in cave-ins
2. Failures in protective systems
3. Potential hazardous atmospheres
4. Other hazards including those associated with confined spaces, and has
5. The authority to take prompt corrective measures to eliminate existing and predictable hazards and to stop work when required.

Inspections shall be made by the Competent Person and must be documented. The following specifies the frequency and conditions requiring inspections:

1. Daily and before the start of each shift
2. As dictated by the work being done in the trench
3. After every rainstorm or other events that could increase hazards, e.g. rain event, wind storm, thaw, earthquake, etc.
4. When fissures, tension cracks, sloughing, undercutting, water seepage, bulging of the trench, a change in soil types or other similar conditions that occur
5. When there is a change in the size, location, or placement of the spoil pile nearest the excavation
6. When there is any indication of change or movement in protective systems or adjacent structures

Designated by:

Signature: _____ Date _____

Name _____ Title _____

_____ Title _____ Date _____

Signature of individual assigned as Competent Person:

Office telephone number: () _____ Cellular number: () _____

After-hours telephone: () _____ Pager number: () _____

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**MINNESOTA DRIVE WATER MAIN PROJECT
C24-101**

1. Traffic Control Requirements

The following traffic control requirements shall be adhered to as a basis for bidding purposes. The City of Citrus Heights shall provide the traffic control requirements upon submittal of the encroachment permit by the contractor. Adjustments may be required in the field for the purposes of installing the water main and appurtenances.

DRIVEWAY ACCESS: The Contractor shall allow driveway access (ingress and egress) for all residential properties within the temporary traffic control zone unless special arrangements are approved by the property owner and the City of Citrus Heights.

PEDESTRIAN ACCESS: All temporary traffic controls shall incorporate measures to ensure full and safe access for pedestrians and shall be in full compliance with the Americans with Disabilities Act (ADA) and Title 24 of the California Code. Submittal of separate pedestrian signage and routing plans may be required by the City of Citrus Heights to ensure compliance with access requirements.

BICYCLE ACCESS: When the road shoulder or designated bike lane is blocked by work zone or temporary traffic control measures, temporary traffic controls shall be incorporated to provide safe passage for bicyclists through the work zone. "Share the Road" signs shall be placed at the beginning of the taper or closure and a minimum lane width of 12 feet shall be maintained in the lane shared by bicycles.

2. U.S.A. Markings and Tire Markings

The Contractor shall be responsible for removal of all U.S.A. markings and tire markings from construction equipment via power-washing or other approved method at no additional expense to the District.

3. Damage to Pavement and Concrete

The Contractor shall provide all necessary protection to existing pavement and concrete so as to avoid scraping, gouging, imprinting, cracking edges or otherwise causing damage during the entire Project. The Contractor shall exercise caution to avoid damaging pavement along the edge of pavement where the water main is to be installed on the shoulder of the roadway. The District Inspector or the City of Citrus Heights shall direct the contractor to repair any damage as deemed necessary. The Contractor shall repair said damage using methods required by the Inspector or shall agree to an

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alternative method in advance of said repairs. All costs of repairs to existing pavement and concrete due to damage caused by the Contractor shall be solely the responsibility of the Contractor.

4. Storage of Equipment and Materials

Storage of equipment and materials on the properties shall not be permitted without the written permission of the property owner. The Contractor shall contact the City of Citrus Heights to determine if any use permits are required and obtain same, if required, at no additional expense to the District.

Storage of equipment and materials within the City of Citrus Heights right-of-way shall require coordination with the District Inspector and City of Citrus Heights Encroachment Inspectors. Requirements of the Encroachment Permit shall prevail.

5. Minimum Cover

Minimum cover on all main lines shall be 36" below finish grade unless otherwise shown on the plans or specifically approved by the District Inspector. Minimum cover on all service lines shall be 24" below finish grade unless otherwise specifically approved by the District Inspector. For the purposes of this contract "finish grade" shall be the grade of the completed trench, including restored surfaces. The restored surfaces shall match existing grade.

6. Backfill, Compaction, and Compaction Testing

Lawn, Planter, and Other Non-traffic Locations: Backfill around service piping, valves and fittings shall be #2 washed sand to a minimum of 3" below and 9" above. Backfill around water mains and service saddles shall be #2 washed sand to a minimum of 6" below and 12" above. Remaining backfill shall be 100% $\frac{3}{4}$ " crushed rock to the bottom of the meter box. Above this level, backfill shall be native soil at optimum moisture content, placed in 3" lifts and hand-compacted to 90% minimum.

Roadway, Driveway, and Traffic Locations: Backfill around service piping, valves and fittings shall be #2 washed sand to a minimum of 3" below and 9" above. Backfill around water mains and service saddles shall be #2 washed sand to a minimum of 6" below and 12" above.

Proper haunching of the pipe shall be achieved by hand shovel slicing sand under the haunches of the pipe. With the pipe in place, the first lift of sand shall not exceed the springline of the pipe. No additional sand shall be added until the entire section of pipe has been properly haunched.

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Compaction in the sanded pipe zone shall be 90% minimum. Remaining backfill shall be 100% $\frac{3}{4}$ " crushed rock to the bottom of the meter box. Above this level, the remaining trench backfill shall be 100% import $\frac{3}{4}$ " aggregate base compacted to 95% minimum.

Compaction at all paved locations shall be 95% minimum. Compaction at all other locations shall be 90% minimum unless otherwise specified by the District Inspector.

Initial compaction testing shall be performed at the discretion and expense of the District. Backfill not meeting compaction specifications shall be corrected by the Contractor at no additional expense to the District. Follow-up compaction testing shall be performed by the District at the expense of the Contractor. No extra time or payment shall be provided due to work delays for these tests.

Any surface settlement during the guarantee period shall be the responsibility of the Contractor.

7. Thrust Blocks

Thrust blocks shall be constructed of Type II six-sack Portland cement. Concrete shall conform to either the 1" or 1 $\frac{1}{2}$ " gradation at the option of the Contractor, unless otherwise specified in these Specifications or as required by the District Inspector. No backfill material shall be compacted above thrust blocks prior to a 24-hour period.

Trailers with "buggies" shall not be used to haul concrete. Concrete shall be hauled in cement mixing trucks or trailers only and shall be mechanically mixed at the site prior to placement.

8. Temporary Trench Restoration

Temporary paving (asphalt plant-mix cutback) shall be placed at locations and maintained at locations wherever excavation is made through pavement, sidewalk or driveways, as shown on the Project Plans, or as directed by the District. Temporary paving shall be placed as soon as the condition of the backfill is suitable to receive it and shall remain in place until the condition of the backfill is suitable for permanent resurfacing. Thickness of the temporary paving shall be one and one-half inches (1- $\frac{1}{2}$ ") unless otherwise shown on the Project Plans. Temporary paving shall be maintained at the same elevation as the existing surrounding surfaces until the permanent surfacing is placed. Temporary paving shall be placed using a hand powered compaction device.

Trench plates and their installation shall comply with the Encroachment Permit. Trench plates shall be pinned prior to subjecting them to public traffic. The edges of the trench plates shall be lined with temporary paving wedges. The 2" Construction Water Service (See Exhibit G, Construction Detail WS_290) and all temporary blow-offs shall be

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plumbed below the roadway surface and installed in traffic-rated valve boxes for the duration of the Project.

9. Service Valve Locations and Meter Installations

The Contractor shall advise the on-site property owner/tenant of water turn-off in writing 24 hours in advance and verbally after restoration of water service.

Unless as stated below, the meter and meter boxes shall be centered over the meter setter and shall typically be placed longitudinally perpendicular to the sidewalk.

The Contractor shall locate meters and meter boxes away from drainage swales and gutters whenever possible. The Contractor shall locate meters and meter boxes entirely within the landscape or lawn area whenever possible. If location in the landscape or lawn area is not possible, it shall be placed entirely in the sidewalk, driveway or paved area.

The Contractor shall be responsible daily for the removal and proper disposal of all landscaping, concrete, and excess native soil from the work zone. Temporary cold mix asphalt patches shall be required for concrete excavations that create a safety hazard or maintenance problem. All concrete replacement required by the Project installation shall be the responsibility of the Contractor. The Contractor shall replace all concrete driveways, curbs, gutters, and sidewalks and landscaping to its original condition within thirty (30) calendar days of removal.

10. Connection to Existing Services

The Contractor shall install all piping, meter setters, and fittings. The Contractor shall connect copper, brass, or PVC (Schedule 40 with Schedule 80 fittings) line to the customer's supply line as indicated on the Project Plans.

The Contractor shall connect to existing services using the appropriate adapter, bushing or reducer. When connecting to existing galvanized services the Contractor shall use only the Smith-Blair 411 metal couplings or equal as approved by the District. No Flow-Control PVC Schedule 40 couplings shall be allowed for connecting to any type of existing service. Note that the existing service size is not necessarily the same size as the meter setter and/or meter being installed. No direct metal connection shall exist between customer and District lines. No polyvinylchloride (PVC) pipe and fittings shall be used on the District side of the meter.

11. Flushing Service Lines

The Contractor shall be responsible for the thorough flushing of all water service line installations through an outside hose bib immediately following service connection with a

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meter idler in place to prevent a water consumption charge to the property owner. It shall be the Contractor's responsibility to investigate and resolve complaints regarding low flow, plugged lines, etc. which ensue after working on any water service.

12. Bronze Service Saddles

Water Service Saddles used in the course of the Project are to be bronze with an iron pipe thread (IPT) outlet. Saddles for ACP are to be of the double strap bronze variety. Saddles for PVC pipe and DIP pipe are to be full support, two-piece for PVC pipe and DIP pipe. All nuts and bolts are to be bronze. Saddles shall be Mueller, Jones, Ford, or equal.

13. Corporation Stops and Ball Valves

Corporation stops and ball valves used in the course of this Project shall have an iron pipe thread connection on one end and a Mueller 110 compression connection or equal on the other end.

14. Brass Fittings

Brass valves and fittings used in the course of this Project shall meet the requirements of the State of California and not exceed 0.25% lead content.

15. Compression Couplings

Compression Couplings used in the course of this Project shall have Mueller 110 compression connections or equal.

16. Polyvinylchloride (PVC) Pipe and Fittings for Service Reconnections

PVC Pipe used in the course of this Project for domestic service reconnections shall be a minimum of Schedule 40. All PVC fittings shall be Schedule 80. When connecting to existing galvanized services the Contractor shall use only the Smith-Blair 411 metal couplings or equal as approved by the District. No Flow-Control PVC Schedule 40 couplings shall be allowed for connecting to any type of existing service.

Approved plastic pipe cement shall be WET 'R DRY PVC 2725 Blue. Medium Bodied.

Approved plastic pipe primer shall be WET 'R DRY PVC P-75 Aqua Blue Primer used to connect the pipe and fittings.

17. Resilient Wedge Gate Valves

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The resilient wedge gate valves shall fully comply with the latest revision of AWWA C509, and shall also be UL listed and FM approved. The valves shall be tested and certified to ANSI/NSF 61.

The valve shall have a 250 psig working pressure.

The valve type shall be NRS (non-rising stem).

The valve shall have an arrow cast on the operating nut or handwheel showing opening direction. The direction of opening shall be counterclockwise (left).

The NRS valves shall be provided with a 2" square operating nut. The bolt that attaches the operating nut to the stem shall be recessed into the operating nut so as not to interfere with valve wrench operation.

The valve body, bonnet, stuffing box, and disc shall be composed of ASTM A-126 Class B grey iron or ASTM A395 or A536 ductile iron. The body and bonnet shall also adhere to the minimum wall thickness as set forth in Table 2, section 4.3.1 of AWWA C509. Wall thickness less than those in Table 2 are not acceptable.

The valve disc and guide lugs must be fully (100%) encapsulated in SBR ASTM D2000 rubber material. The peel strength shall not be less than 75 pounds per inch.

The valves shall have all internal and external ferrous surfaces coated with a fusion bonded thermosetting powder epoxy coating of ten (10) mils nominal thickness. The coating shall conform to AWWA C550.

18. Chlorination and Flushing

The Contractor shall use a licensed Chlorination Specialist for the process of introducing a chlorine solution into the new water system. Said specialist shall maintain an Active C36 (Plumbing) and C55 (Water Conditioning) license with the California State Licensing Board.

Chlorine shall be introduced into the system at a minimum of 50 PPM and a maximum of 100 PPM. The Inspector shall be provided with proof of uniform chlorination throughout the system within the stated range using an approved test procedure. All requirements of American Water Works Association standard C651-05 (Disinfecting Water Mains) shall be followed.

Chlorinated water shall be properly disposed of using dechlorination procedures outlined in American Water Works Association standard C651-05 (Disinfecting Water Mains) and

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shall comply with all regulations. The Inspector shall be provided with proof of uniform dechlorination at a minimum of 10 minute intervals during disposal using an approved test procedure. Dechlorination shall be maintained at 0.0 PPM at all times during any disposal of any water into a drainage system.

19. Sprinklers

The properties may have underground sprinkler systems. It is the Contractor's responsibility to locate the system piping, and if disturbed, repair or replace it to its original condition at no cost to the District or property owner. Sprinkler system repairs and reconnections shall be made using Schedule 40 PVC pipe w/Schedule 40 fittings or better. Full compensation for restoration of existing sprinkler systems shall be considered as included in the contract unit prices paid for the various items of work, and no additional payment will be allowed therefor.

20. Concrete Restoration

◆ **Materials**

Class A-2 Concrete – Shall contain six (6) sacks (564 pounds) of Portland cement per cubic yard and shall have a maximum size of course aggregate of three-quarter inch (3/4")

Concrete shall be hauled in cement mixing trucks or a trailer mounted barrel mixer only and shall be mechanically mixed at the site prior to placement. All ingredients are to be thoroughly intermingled during mixing, and all aggregate particles are to be completely coated with cement paste.

Note: Transporting or use of concrete in non-mixing trucks or trailers ("buggies") is not permitted.

◆ **Installation**

All new concrete shall be installed within thirty (30) calendar days of removal. All concrete construction shall conform to existing finishes. Thickness shall be 4" minimum and 6" maximum. Temporary "cut-back" asphalt shall be placed in sidewalks and other pedestrian traffic areas, until the final restored concrete can be placed.

Restored concrete surfaces shall be installed per City of Citrus Heights Standard Construction Specifications Plan 4-30 and Section 27.

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Doweling and restored concrete surfaces shall comply with City of Citrus Heights Specifications as required.

◆ **Saw-cutting**

Double saw cutting is required for all locations in the concrete. An initial construction saw-cut is required to facilitate the locating and excavating of existing water distribution facilities or other utilities and to permit the installation of the proposed facilities. After facility installation, backfill and compaction, a second final saw-cut 6" beyond the excavation is required immediately prior to restoration of the surface. Saw cutting to the nearest expansion or control joint is required if within 18" of a proposed facility or at the direction of the District. Saw cut shall be for full depth of the slab. Edges remaining after removal shall be square, uniform, and with no chips or spalling.

◆ **Placement**

Replaced portions of concrete shall be finished to match existing surfaces.

◆ **Vandalism**

Contractor shall take all reasonable precautions to protect wet concrete from damage or vandalism.

21. Landscape Restoration

Landscape restoration work shall be performed by the Contractor. If the Contractor is unable to satisfactorily restore the landscaping, a Landscape Contractor shall be retained. The Landscape Contractor to be used shall be provided in Exhibit A, List of Subcontractors if work exceeds one percent (1.00%) of total amount of bid.

Provide all labor, materials, services and equipment necessary to complete all landscape restoration work, including but not limited to the following:

1. Sod removal and replacement
2. Ground Cover removal and replacement
3. Shrub removal and replacement
4. Pruning
5. Grading

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6. Mulching – Shredded Bark
7. Weed Retardant Fabric replacement
8. Cleanup
9. Restoration of Sprinkler Systems

◆ **Sod Removal and Replacement**

All lawn areas disturbed by the work shall be re-sod according to the following procedures: The grass shall be cut to a height of 2". The sod shall be removed with an appropriate tool, cutting a minimum of 1 1/2" below the surface of the soil. The sod shall be stockpiled and maintained in a healthy condition, and shall be replaced within three (3) days of the time it was cut.

If the sod removed is not healthy when it is to be relayed, it shall be replaced with new sod. New sod shall be installed when and where required, within fourteen (14) days of the completion of the trench or excavation. It shall be the responsibility of the Contractor to notify the property occupant in writing to water the newly replaced sod on a regular basis as required.

Areas to be planted shall be cultivated until the soil is mixed thoroughly and in a loose and fine textured condition. The top 2" shall be cleared of all stones, stumps, dirt clods, debris, etcetera, larger than 1/4" in diameter, that are brought to the surface as a result of cultivation.

◆ **Ground Cover Removal and Replacement**

Ground cover disturbance shall be kept to a minimum and removal confined to an immediate area of required excavation. Replacement shall be with healthy new plant material of a like variety, installed in conformance with the recommendations of the Sunset Western Garden Book.

New ground cover shall be installed where required within fourteen (14) days of completion of the trench or excavation. It shall be the Contractor's responsibility to notify the property occupant in writing to water the newly replaced ground on a regular basis as required.

◆ **Shrub Removal and Replacement**

Any shrubbery, which must be removed, as directed by the District, shall be removed by the Contractor so as not to damage it. If any damage is done to the shrubbery, the Contractor at no cost to the District or property owner shall replace it. Replacement shrubs shall be 5-gallon minimum size and

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shall match the size of the removed shrub.

◆ **Pruning**

Pruning of any shrubbery or trees shall be conducted under the direction of the District and follow sound horticultural practice. Pruning shall be limited to the minimum necessary to provide access to work, to remove injured twigs and branches and to compensate for loss of roots during a transplant.

◆ **Grading**

Planting beds shall be graded to drain with uniform levels or slopes between finished elevations and existing elevations.

Remove debris, roots, stones, etcetera, in excess of 2" in size.

Fine grade all planting areas to a smooth, loose, and a uniform surface.

◆ **Mulching**

The Contractor shall replace mulch that has been disturbed by the operation. Minimum depth of mulch will be 2".

◆ **Weed Retardant Fabric Replacement**

The Contractor shall replace fabric used to retard weed growth that has been disturbed by the operation. The replaced fabric shall be of similar quality and character of the existing fabric disturbed.

◆ **Cleanup**

Any excess soil, imported fill, prunes, or other debris shall be removed daily from the work zone and disposed of in a lawful manner at the Contractor's expense.

◆ **Guarantee and Replacement**

All plant material and sod installed, new or reused, under this Contract shall be guaranteed for thirty (30) days from time of installation against any and all poor, inadequate, or inferior materials and/or workmanship or improper maintenance, as determined by the District.

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22. Maintaining Traffic, Public Convenience and Safety

The Contractor shall be responsible for the safety of traffic within the Project limits and on the approaches to the Project. The Contractor shall be responsible for maintaining local property access and access to the existing public cross-streets within the limits of this contract. The Contractor shall provide adequate steel plating to protect driveways and provide access to properties.

Temporary paving shall be used when trenching occurs across a driveway. The Contractor shall make a reasonable effort to reduce durations of the driveway closures by scheduling and coordinating work accordingly.

The Contractor shall provide 72 hour advance notification to the occupants of property to which the existing access or frontage parking will be closed for a period of time exceeding two (2) hours. Notification will be by written notice placed on or near the building entrance or the property access point to be closed. The Contractor shall be responsible for making access available into the existing driveways at any time during their work day to emergency type vehicles such as fire, ambulance, police, and etcetera.

Personal vehicles of the Contractor's employees shall not be parked within the right of way.

Minor deviations from the requirements of this section concerning hours of work which do not significantly change the cost of the work may be permitted upon the written request of the Contractor if in the opinion of the District Inspector, public traffic and convenience will be better served and the work expedited. These deviations shall not be adopted by the Contractor until the City of Citrus Heights and District have approved them in writing.

Pedestrian access facilities shall be provided through construction areas within the right-of-way as specified herein. Access shall be American's with Disabilities Act (ADA) compliant. Pedestrian walkways shall be provided with surfacing of asphalt concrete, Portland cement concrete or timber. Surface shall be skid resistant and free of irregularities.

Paved pedestrian access to sidewalks and signals and signal push buttons shall be maintained during all stages of construction. Walkways shall be maintained in good condition by the Contractor. Walkways shall be kept clear of obstructions.

Full compensation for providing said pedestrian facilities shall be considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed therefor.

Any closure or detour of pedestrian access for Contractor's convenience shall be

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approved in writing by City of Citrus Heights and District prior to scheduling work in the area under question. Any request for temporary closure or detour of pedestrians shall be made in writing and include plans and information showing requested duration, days of the week, routes, signing and safety measures. Approval or rejection of requests will be at the sole discretion of the City of Citrus Heights and District. Additional signing and safety measures for pedestrians approved as part of a pedestrian access modification shall be considered as included in the prices paid for the various contract items of work involved and no additional payment shall be made therefor.

23. Public Notification

The District will be responsible for notifying the public, local residents, local businesses, local public, Regional Transit Route Scheduling Unit, local law enforcement agencies, local fire districts, local public and private ambulance and paramedic service providers, local utility companies and any other persons or agencies affected by this Project. The District will be responsible for coordinating with the Contractor to ensure the proper timing and information is provided to the public.

24. Construction Layout and Staking

The District will provide construction staking for the water line as described below:

- Offset stakes will be provided at 50 foot intervals along waterline, grade breaks and two stakes will be placed at each waterline angle point along the route. Offset stakes will provide centerline of the water main and cut elevation to flowline of pipe.
- Staking Waterline Tees or Service Laterals
- Staking Water Meters or other waterline appurtenances

The following staking items will not be provided by the District:

- Staking Saw Cut Line
- Staking Construction Area Signs
- Traffic control except as noted below

Contractor Responsibilities:

- Discuss scheduling of staking needs for Contractor operations and time estimates of staking operations with the District Inspector. Staking needs shall be included on the biweekly schedule updates.

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- Request construction stakes a minimum of three (3) working days in advance of starting an operation that will use the stakes (i.e. if stakes are to be used Thursday, the staking request shall be submitted on Monday). Weekends and holidays are not considered working days.
- Submit suitable requests for construction stakes, ensuring that the requested staking area is ready for stakes and that the stakes will begin to be used within five (5) days of staking.
- Coordinate construction operations so that areas to receive stakes are relatively clear of construction equipment activity, in order that stakes can be set in safe and expeditious manner to the satisfaction of the District Inspector.
- Contractor shall provide a safe working environment for the survey crews.
- Contractor shall establish priorities for requested construction stakes and note the priorities on the staking request.
- Contractor shall preserve all construction stakes. Replacement of stakes will be completed at the expense of the Contractor.
- The Contractor will coordinate with the District Inspector regarding the location and placement of Fire Hydrants, Valves, Tees, Crosses, Water Services, ARVs and related appurtenances. The final location of these facilities will require approval from the District Inspector.

If the area or facility is not prepared satisfactorily for the stakes, as determined by the District Inspector, the staking request will be voided by the District Inspector and the Contractor shall submit a new request for the stakes when the area or facility has been properly prepared. If survey crews have been mobilized to an area that is not ready for stakes, the District will provide written documentation and charge the Contractor with re-staking charges for the survey crew's time.

Full compensation for coordinating construction layout and staking with the District Inspector and the District's staking agents shall be considered as included in the various contract items of work and no additional payment will be allowed therefor.

END OF SPECIAL PROVISIONS

SECTION 01000
SPECIAL PROVISIONS

**SECTION 01100
PROJECT PLANS**

MINNESOTA DRIVE WATER MAIN PROJECT
C24-101

The following Project Plans pertain to Citrus Heights Water District's Minnesota Drive Water Main Project C24-101:

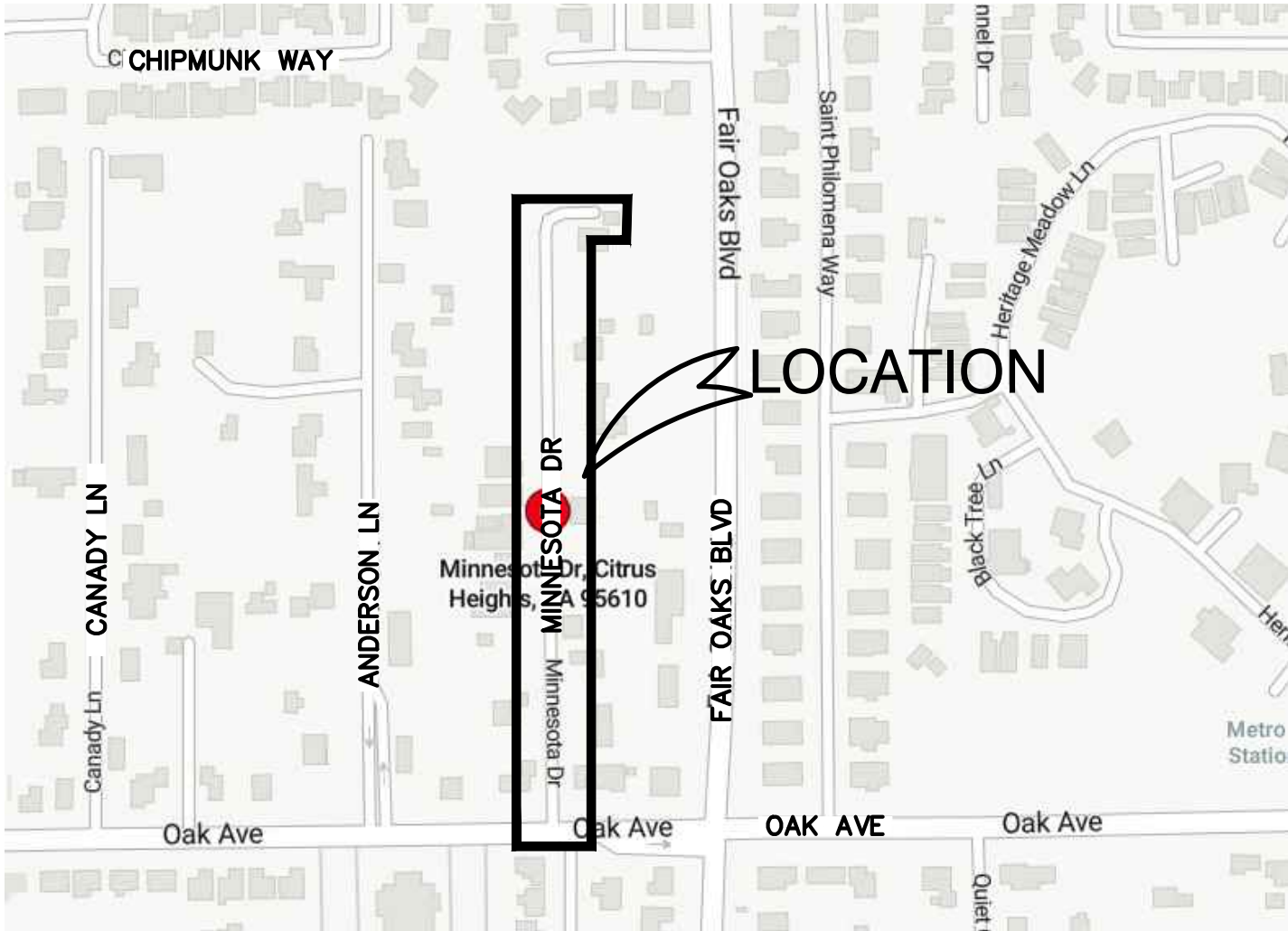
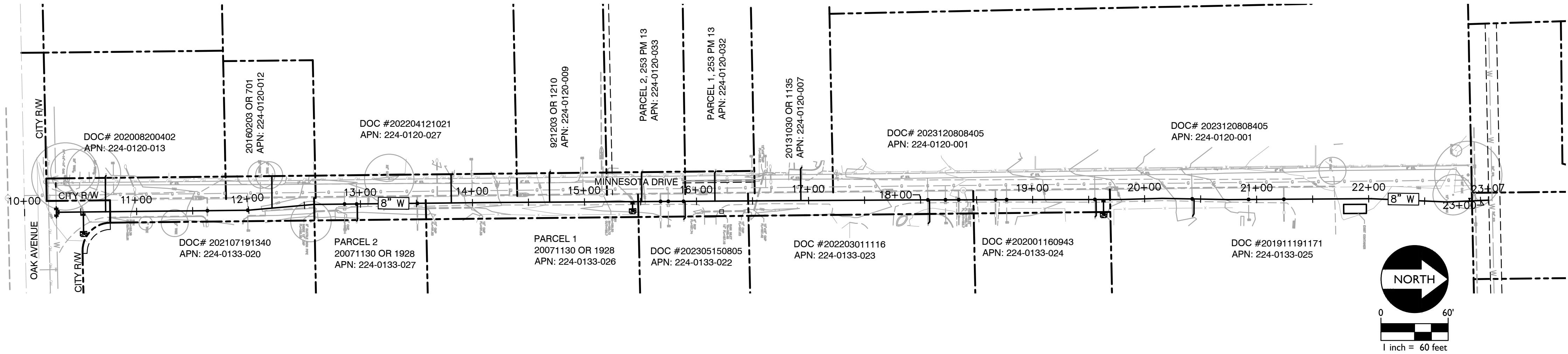
9 Sheets

Project Plans are 22" x 34" and shall be purchased as a portion of the Bid Package

**SECTION 01100
PROJECT PLANS**

FILENAME: I:\24-027\CIVIL\DWG\24-027-C1.DWG PLOTTED: Thursday, October 10, 2024

CITRUS HEIGHTS WATER DISTRICT MINNESOTA DRIVE WATER MAIN PROJECT C24-101



VICINITY MAP
NO SCALE

APPROVED FOR CONSTRUCTION

Melissa Pieri 10/10/24

MELISSA PIERI
CITRUS HEIGHTS WATER DISTRICT

DATE

APPROVALS ARE GOOD FOR 12 MONTHS FROM DATE OF SIGNATURE

APPROVED FOR CONSTRUCTION

Leslie Blomquist 10/9/24

LESLIE BLOMQUIST
CITY OF CITRUS HEIGHTS

DATE

APPROVALS ARE GOOD FOR 12 MONTHS FROM DATE OF SIGNATURE

APPROVED FOR CONSTRUCTION

Diana Schmidt #2691 10/09/24

DIANA SCHMIDT
SACRAMENTO METROPOLITAN FIRE DISTRICT

DATE

APPROVALS ARE GOOD FOR 12 MONTHS FROM DATE OF SIGNATURE

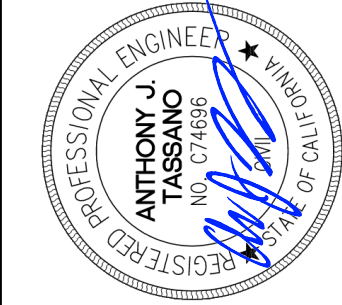
UTILITY REPRESENTATIVES			
CONTACT	UTILITY	COMPANY	PHONE
	U.S.A.	UNDERGROUND SERVICE ALERT	(800) 227-2600
KEN WEGER	COMMUNICATION	US SPRINT	(916) 207-8519
FOREST DECKER	TELEPHONE/BROADBAND	SUREWEST TELEPHONE	(916) 786-1226
DARREN HANSON	ELECTRIC	SMUD	(916) 732-5221
MISSY PIERI	WATER	CITRUS HEIGHTS WATER DISTRICT	(916) 735-7724
ROB ARMSTRONG	SEWER	SRCSD	(916) 876-6104
ROBERT ESPINOZA	SEWER	SASD	(916) 876-6386
LESLIE BLOMQUIST	DRAINAGE/ROADS/ENCROACHMENT	CITY OF CITRUS HEIGHTS	(916) 727-4770
PETE MISKOVICH	GAS	PG&E	(916) 386-5429
DIANA SCHMIDT	FIRE	SAC. METRO FIRE DEPARTMENT	(916) 727-4940

SHEET INDEX

NO.	DESCRIPTION
SHEET 1 OF 9	COVER SHEET
SHEET 2 OF 9	GENERAL NOTES
SHEET 3 OF 9	ABBREVIATIONS AND LEGENDS
SHEET 4 OF 9	MINNESOTA DRIVE STA 10+00 TO 14+50
SHEET 5 OF 9	MINNESOTA DRIVE STA 14+50 TO 19+00
SHEET 6 OF 9	MINNESOTA DRIVE STA 19+00 TO 23+50
SHEET 7 OF 9	STANDARD DETAILS - 1
SHEET 8 OF 9	STANDARD DETAILS - 2
SHEET 9 OF 9	STANDARD DETAILS - 3



BASIS OF BEARINGS:



COVER SHEET

PROJECT: CITRUS HEIGHTS WATER DISTRICT
MINNESOTA DRIVE
WATER MAIN PROJECT C24-101

TITLE:
SHEET NO.

1 OF 9

A.P.N. BENCHMARK NO. 9-52 ELEV. 191.64
METAL DISC STAMPED CO BM 9-52
LOCATED IN CHESILED SQUARE TOP OF
VERTICAL CURB SOUTH SIDE OF OAK AVE
ON THE PROJECTED CENTER OF ANDERSON
LN TO THE SOUTH ON THE EAST SIDE OF
SECOND DRIVE FROM WEST END OF CURB
AND GUTTER AT CHURCH OF JESUS CHRIST
OF LATTER-DAY SAINTS.

HORIZ. SCALE: AS NOTED
VERT. SCALE: AS NOTED
JOB NO.: 24-027

REVISIONS	DATE
NO.	
DESCRIPTION	
DESIGNED: AT	
DRAWN: AT	
CHECKED: AT	
DATE: 10-08-24	

FILENAME: I:\24-027\CIVIL\DWG\24-027-C2.DWG PLOTTED: Tuesday, October 08, 2024

CHWD IN SACRAMENTO METROPOLITAN FIRE DISTRICT NOTES

- F-1. CONTACT THE SACRAMENTO METROPOLITAN FIRE DISTRICT FIRE PREVENTION BUREAU (PHONE (916) 859-4330) AND THE CITRUS HEIGHTS WATER DISTRICT (PHONE (916) 725-6873) PRIOR TO THE INSTALLATION OF FIRE HYDRANTS AND UPON STORAGE OF COMBUSTIBLE MATERIALS ON SITE.
- F-2. FIRE HYDRANTS SHALL BE AMERICAN DARLING B84B OR MUELLER A-423 AND A MINIMUM BURY LENGTH OF FORTY-EIGHT INCHES (48") WITH A MECHANICAL JOINT INLET. FIRE HYDRANTS ARE TO BE FACTORY PAINTED RUSTOLEUM GLOSS WHITE. FIRE HYDRANT DRAIN HOLES SHALL BE PLUGGED AND VERIFIED BY CONTRACTOR AND DURING THE HYDROSTATIC PRESSURE TEST.
- F-3. FIRE HYDRANT OUTLETS SHALL BE NATIONAL STANDARD THREADS WITH METAL PROTECTOR CAPS. ONE 4 1/2"-INCH "STEAMER"OUTLET AND TWO 2 1/2"-INCH OUTLETS ARE REQUIRED.
- F-4. FIRE HYDRANTS SHALL BE LOCATED AS SHOWN ON THE PLAN AS APPROVED BY THE FIRE DISTRICT WITH THE 4 1/2"-INCH OUTLET ROTATED TOWARD THE TRAFFIC LANE UNLESS OTHERWISE SPECIFIED. FIRE HYDRANTS SHALL BE INSTALLED WITH CENTERLINE OF OUTLETS A MINIMUM OF EIGHTEEN INCHES (18"), AND A MAXIMUM OF TWENTY INCHES (20") ABOVE FINISH GRADE. FIRE HYDRANTS SHALL BE PLACED BETWEEN EIGHTEEN INCHES (18") MINIMUM TO TWENTY-FOUR INCHES (24") MAXIMUM BEHIND THE SIDEWALK TO CENTERLINE.
- F-5. THERE SHALL BE NO OBSTRUCTIONS, INCLUDING PLANTS, WITHIN A THIRTY-SIX INCH (36") RADIUS OF ANY FIRE HYDRANT. THERE SHALL BE A SEVEN FOOT (7') VERTICAL CLEARANCE ABOVE THE THIRTY-SIX INCH (36") CLEAR RADIUS AROUND ANY FIRE HYDRANT. CONCRETE ACCESS PADS ARE REQUIRED TO BE INSTALLED AROUND ALL FIRE HYDRANTS UNLESS OTHERWISE SPECIFIED BY THE PLANS OR DETAIL DRAWINGS.
- F-6. FIRE HYDRANTS SHALL BE CLEANED OF ALL LOOSE DEBRIS AND PAINTED USING A MANUFACTURER'S RECOMMENDED PRIMER COAT AND FINISHED WITH A MINIMUM OF TWO (2) COATS OF RUSTOLEUM GLOSS WHITE ENAMEL.
- F-7. PRESSURE SENSITIVE BLUE MARKERS SHALL BE INSTALLED FOR FIRE HYDRANTS TO FIRE DISTRICT SPECIFICATIONS.
- F-8. ALL FIRE HYDRANTS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OR STORAGE OF COMBUSTIBLE MATERIALS ON THE SITE. THE HYDRANTS SHALL BE ACCESSIBLE VIA AN ALL-WEATHER DRIVING SURFACE, TEMPORARY OR OTHERWISE, DURING ALL PHASES OF CONSTRUCTION.

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PERMITS NECESSARY TO PERFORM THE WORK SHOWN ON THESE PLANS FROM APPROPRIATE AGENCIES.
2. THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES AND SHALL FURNISH, ERECT AND MAINTAIN SUCH FENCES, BARRICADES, LIGHTS AND SIGNS NECESSARY TO GIVE ADEQUATE PROTECTION TO THE PUBLIC AT ALL TIMES. TEMPORARY TRAFFIC CONTROL SHALL BE APPROVED BY THE ENGINEER.
3. INFORMATION SHOWN ON ALL EXISTING IMPROVEMENTS ON THESE DRAWINGS IS TAKEN FROM FIELD SURVEY AND AGENCY RECORDS. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL IMPROVEMENTS PRIOR TO BEGINNING OF WORK.
4. THE CONTRACTOR SHALL HAVE COPIES OF THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT ON THE SITE AT ALL TIMES, AND CONTRACTOR SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.
5. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE DISTRICT AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXEMPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE ENGINEER.
6. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL REQUEST IN WRITING FROM THE ENGINEER SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY PRIOR TO COMMENCEMENT OF SAID WORK.
7. ALL DIMENSIONS ARE IN FEET AND TO THE CENTERLINE OF PIPE UNLESS OTHERWISE SHOWN. MEASUREMENTS ARE HORIZONTAL.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FOR THE PROTECTION OF AND REPAIR OF DAMAGE TO THEM. CONTACT UNDERGROUND SERVICE ALERT, 1-800-642-2444, TWO (2) WORKING DAYS BEFORE WORK IS TO BEGIN.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES, FOR VERIFICATION AT THE SITE, OF ANY POSSIBLE CONFLICTS WITH THEIR UNDERGROUND UTILITIES AND THE PROPOSED IMPROVEMENTS AS SHOWN ON THESE IMPROVEMENT PLANS.
10. THE TYPES, LOCATIONS, SIZES AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. NEITHER THE CITRUS HEIGHTS WATER DISTRICT NOR IT'S CONSULTANT, WARREN CONSULTING ENGINEERS, CAN ASSUME THE RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UTILITIES NOR THE EXISTENCE OF OTHER BURIED OBJECTS OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE IMPROVEMENT PLANS.
11. CONTRACTOR SHALL INSTALL APPLICABLE EROSION CONTROL MEASURES IN ACCORDANCE WITH THE LATEST EDITION OF THE COUNTY OF SACRAMENTO *EROSION AND SEDIMENT CONTROL STANDARDS AND SPECIFICATIONS.
12. CONTRACTOR SHALL MAINTAIN SUFFICIENT EQUIPMENT, ON THE JOB SITE TO PROVIDE DUST CONTROL AT ALL TIMES. AREAS SURROUNDING THE WORK SHALL BE KEPT CLEAN AND RETURNED TO ORIGINAL CONDITIONS UPON COMPLETION OF THIS PROJECT.

CITRUS HEIGHTS WATER DISTRICT

NEW MAINLINE DISINFECTION/SAMPLING PROCEDURE

ADOPTED: OCTOBER 28, 2014

BEFORE PROJECT CONSTRUCTION BEGINS:

1. CHWD WATER QUALITY PERSONNEL SHALL SAMPLE FOR BOTH COLIFORM (PRESENCE/ABSENCE) AND HETEROTROPHIC PLATE COUNT (HPC) ON MAINS ADJACENT TO THE PROJECT. (SIMPLATE MAY BE SUBSTITUTED FOR HPC)
- DURING PROJECT:
2. CHWD PROJECT MANAGEMENT PERSONNEL WILL PROVIDE A 24-HOUR NOTICE TO THE REGIONAL WATER QUALITY CONTROL BOARD FOR ALL FLUSHING EVENTS.
3. THE NEWLY CONSTRUCTED MAINS SHALL BE FILLED BY THE CONTRACTOR AND PURGED TO REMOVE ANY TRAPPED AIR USING THE DISTRICT-APPROVED AND TESTED BACKFLOW PREVENTION DEVICE SPECIFICATION. ALL BEST MANAGEMENT PRACTICES SHALL BE FOLLOWED TO INSURE NO SEDIMENT OR CHLORINE REACHES ANY DRAIN INLET OR CREEK.
4. THE NEWLY CONSTRUCTED MAINS SHALL PASS THE DISTRICT PRESSURE CHECK REQUIREMENTS.

5. THE MAINS SHALL BE CHLORINATED AT 100 PPM FOR A MINIMUM OF 24 HOURS BY THE CONTRACTOR USING AN APPROVED CHLORINATION SPECIALIST.
6. THE CHLORINE CONCENTRATION SHALL BE CHECKED AFTER 24 HOURS AND A MINIMUM RESIDUAL OF 25 PPM MUST BE PRESENT THROUGHOUT THE NEW MAINS.
7. THE MAINS SHALL BE FLUSHED BY THE CONTRACTOR UNTIL THE CHLORINE CONCENTRATION MATCHES THE NORMAL SYSTEM RESIDUAL. ALL BEST MANAGEMENT PRACTICES SHALL BE FOLLOWED TO INSURE NO SEDIMENT OR CHLORINE REACHES ANY DRAIN INLET OR CREEK.
8. CHWD PROJECT MANAGEMENT PERSONNEL SHALL SUBMIT A SAMPLING PLAN TO THE OPERATIONS MANAGER FOR APPROVAL.
9. CHWD WATER QUALITY PERSONNEL, WHEN PRACTICAL, WILL COLLECT COLIFORM AND HPC SAMPLES ACCORDING TO THE APPROVED SAMPLING PLAN. THE SAMPLING SCHEDULE WILL BE SUBMITTED TO THE OPERATIONS MANAGER AND THE WATER QUALITY SUPERVISOR WITH AT LEAST A 24-HOUR NOTICE.
10. SAMPLES SHALL BE TAKEN FOR BOTH COLIFORM AND HETEROTROPHIC PLATE COUNT (HPC) AT 24 AND 48 HOUR INTERVALS AFTER COMPLETION OF FLUSHING.
11. CHWD PROJECT MANAGEMENT PERSONNEL SHALL SUBMIT NEGATIVE SAMPLE DOCUMENTATION TO OPERATIONS MANAGER FOR ACCEPTANCE PRIOR TO THE ANY CONNECTIONS TO THE CHWD DISTRIBUTION SYSTEM. SAMPLE RESULT DOCUMENTATION GENERALLY TAKES 3-5 BUSINESS DAYS AFTER SAMPLES ARE DELIVERED TO LAB.
12. CHWD WATER QUALITY PERSONNEL WILL SAMPLE MAINS DOWNSTREAM OF PROJECT FOR COLIFORM AND HPC AFTER THE NEW MAIN IS CONNECTED TO THE CHWD DISTRIBUTION SYSTEM.

CITRUS HEIGHTS WATER DISTRICT

TIMETABLE FOR DISINFECTION/SAMPLING PROCEDURE

ADOPTED: OCTOBER 28, 2014

THE CONTRACTOR SHALL ALLOW 8-10 BUSINESS DAYS FOR THE DISINFECTION/SAMPLING PROCEDURE PRIOR TO ANY CONNECTION TO THE DISTRICT'S DISTRIBUTION SYSTEM. LARGER SYSTEMS WILL REQUIRE ADDITIONAL TIME FOR CHLORINATION AND FLUSHING. BACTERIOLOGICAL SAMPLES SHALL ONLY BE COLLECTED BETWEEN 8:00AM AND 2:00PM MONDAY THROUGH THURSDAY. ANY POSITIVE RESULTS ON ANY SAMPLE TAKEN SHALL REQUIRE A REPEAT OF THE DISINFECTION/SAMPLING PROCEDURE UNTIL ALL SAMPLES TEST NEGATIVE. HPC SAMPLES REQUIRE A PLATE COUNT OF LESS THAN 500 ON ANY SAMPLE TAKEN.

1. DAY 1 - CHLORINATE NEW MAINS TO 100 PPM AND COMPLETE TO ALLOW FLUSHING TIME ON FOLLOWING DAY.

---24-HOUR CHLORINE DETENTION PERIOD---

2. DAY 2 - FLUSH NEW MAINS TO NORMAL RESIDUAL AND COMPLETE BEFORE 2:00PM. (SIMILAR TO SYSTEM RESIDUAL)

---24-HOUR SAMPLING DETENTION PERIOD---

3. DAY 3 - OBTAIN FIRST COLIFORM AND HPC SAMPLES BEFORE 2:00PM.

---24-HOUR SAMPLING DETENTION PERIOD---

4. DAY 4 - OBTAIN SECOND COLIFORM AND HPC SAMPLES BEFORE 2:00PM.

---3 TO 5 BUSINESS DAYS FOR LABORATORY TESTING AND REVIEW---

5. DAY 7-9 - SAMPLE DOCUMENTATION PROVIDED TO OPERATIONS MANAGER AND CUSTOMER NOTIFICATION OF SHUT-DOWN

---24-HOUR NOTIFICATION PERIOD---

6. DAY 8-10 - CONNECTION TO CHWD DISTRIBUTION SYSTEM ONLY AFTER CLEARANCE FROM OPERATIONS MANAGER IS RECEIVED.

CITRUS HEIGHTS WATER DISTRICT NOTES

- WS-1. THE WATER CONTRACTOR SHALL POSSESS A STATE OF CALIFORNIA CLASS "A" GENERAL ENGINEERING CONTRACTOR LICENSE AND SHALL MAINTAIN SAME THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH VALID CONTRACTOR'S LICENSE INFORMATION INCLUDING LICENSE NUMBER, NAME OF LICENSE HOLDER, CLASSIFICATION AND EXPIRATION DATE. THE CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN CONSTRUCTING PUBLIC WATER DISTRIBUTION SYSTEMS.
- WS-2. ALL MATERIALS AND INSTALLATION OF THE WATER DISTRIBUTION SYSTEM SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITRUS HEIGHTS WATER DISTRICT.
- WS-3. THE WATER CONTRACTOR SHALL BE IN RECEIPT OF THE APPROVED WATER PLAN PRIOR TO SCHEDULING A PRE-CONSTRUCTION CONFERENCE AND AT ALL TIMES DURING CONSTRUCTION.
- WS-4. ALL APPLICABLE PROJECT DEVELOPMENT CHARGES AND FEES SHALL BE PAID PRIOR TO SCHEDULING A PRE-CONSTRUCTION CONFERENCE.
- WS-5. CITRUS HEIGHTS WATER DISTRICT REQUIRES A CURRENT CERTIFICATE OF COMPLETION FOR TRAINING THAT QUALIFIES INDIVIDUALS TO PERFORM ASBESTOS CONSTRUCTION WORK WITH ASBESTOS CEMENT PIPE (ACP). THE APPROVED TRAINING MUST BE IN AGREEMENT WITH LOCAL, STATE AND FEDERAL REGULATIONS AND CITRUS HEIGHTS WATER DISTRICT'S ASBESTOS CEMENT PIPE SAFETY PLAN. ALL ASBESTOS MATERIALS SHALL BE LESS THAN FOUR FEET (4') LONG, PROPERLY DOUBLE WRAPPED WITH MINIMUM SIX-MIL (6-MIL) PLASTIC, SECURELY TAPED CLOSED WITH A CITRUS HEIGHTS WATER DISTRICT WARNING LABEL AFFIXED BETWEEN PLASTIC LAYERS, AND DELIVERED TO THE CITRUS HEIGHTS WATER DISTRICT FOR PROPER DISPOSAL.
- WS-6. THE WATER CONTRACTOR SHALL CONTACT THE CITRUS HEIGHTS WATER DISTRICT FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION FOR A PRE-CONSTRUCTION CONFERENCE.
- WS-7. LOCATION OF WATER FACILITIES SHALL BE ESTABLISHED AND STAKED BY A LICENSED CIVIL ENGINEER OR LAND SURVEYOR, INCLUDING FINISH GRADE AT FIRE HYDRANTS, MAIN VALVES, TEES, CROSSES, ANGLE POINTS, WATER SERVICES AND RELATED APPURTENANCES.
- WS-8. THE WATER CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES MAINTAINED IN OR ACROSS A PUBLIC RIGHT-OF-WAY OR COMMON AREA. THE CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OF NEW IMPROVEMENTS CONNECTING TO OR IN THE VICINITY OF SAME.
- WS-9. THE WATER CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE STREET LIGHTING CONTRACTOR TO AVOID CONFLICTS IN PLACEMENT OF WATER AND STREET LIGHT SYSTEMS. WATER FACILITIES MUST CLEAR CONCRETE STREET LIGHT FOUNDATIONS BY A MINIMUM HORIZONTAL DISTANCE OF TWENTY-FOUR INCHES (24"). WS-10. ALL FACILITIES TO BE ACCEPTED BY THE DISTRICT SHALL BE LOCATED WITHIN DEDICATED EASEMENTS AND RIGHTS-OF-WAY. OWNERSHIP OF THE ACCEPTED SYSTEM SHALL PASS FROM THE OWNER TO CITRUS HEIGHTS WATER DISTRICT AT THE TIME OF WRITTEN ACCEPTANCE. THOSE PORTIONS NOT ACCEPTED BY THE DISTRICT ARE PRIVATE AND ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
- WS-11. WATER MAINS SHALL BE PLACED THREE FEET (3') FROM LIP OF GUTTER, IN STREET, UNLESS OTHERWISE SPECIFIED BY THE PLANS OR DETAIL DRAWINGS. WATER METERS SHALL BE PLACED BETWEEN EIGHTEEN INCHES (18") MINIMUM AND THIRTY INCHES (30") MAXIMUM BEHIND THE SIDEWALK AND A MAXIMUM OF THREE FEET (3') OFF THE SIDE PROPERTY LINE. FIRE HYDRANTS SHALL BE PLACED BETWEEN EIGHTEEN INCHES (18") MINIMUM AND TWENTY-FOUR INCHES (24") MAXIMUM BEHIND THE SIDEWALK TO CENTERLINE.
- WS-12. MINIMUM COVER FOR WATER MAINS SHALL BE THIRTY-SIX INCHES (36") BELOW FINISH GRADE. DUCTILE IRON PIPE (DIP) SHALL BE USED WHEREVER COVER BECOMES LESS THAN THE MINIMUM SUBJECT TO PRIOR APPROVAL.
- WS-13. WATER MAINS SHALL BE PC 350 DIP (OR CL 305 DR 14 AWWA C900-07 PVC WITH CHWD APPROVAL) UNLESS OTHERWISE NOTED. PIPE SHALL BE FREE OF DEFECTS AND DISCOLORATION. FIRE HYDRANT LATERALS SHALL BE PC350 DIP UNLESS OTHERWISE NOTED. POLYVINYLCHLORIDE (PVC) PIPE SHALL HAVE BEEN MANUFACTURED WITHIN EIGHTEEN (18) MONTHS PRIOR TO INSTALLATION.
- WS-14. WATER MAINS IN THE PIPE ZONE SHALL BE BACKFILLED WITH NO. 2 WASHED SAND COMPACTED TO A RELATIVE COMPACTION OF NOT LESS THAN NINETY PERCENT (90%) TO A MINIMUM OF SIX INCHES (6") BELOW AND TWELVE INCHES (12") ABOVE THE MAIN. BACKFILL SHALL BE DEVOID OF DEBRIS AND CONCRETE, PAVEMENT, STONES, SOLID EARTH CHUNKS AND PARTICULATE LARGER THAN THREE INCHES (3") IN GREATEST DIMENSION. WITHIN EXISTING ROADWAYS AND EXISTING TRAFFIC AREAS, THE REMAINING TRENCH BACKFILL ABOVE THE SAND SHALL ALL BE THREE-QUARTER-INCH (3/4") CLASS 2 AGGREGATE BASE COMPACTED TO CITY/COUNTY ROADWAY REQUIREMENTS.
- WS-15. THE METHODS FOR OBTAINING COMPACTION SHALL BE AS SPECIFIED BY THE MOST CURRENT EDITIONS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") AND THE COUNTY OF SACRAMENTO PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS. NUCLEAR DENSITY METER TESTING BY A LICENSED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH ASTM STANDARD TEST METHODS FOR LABORATORY COMPACTION SHALL BE REQUIRED OF THE CONTRACTOR FOR IN-PLACE SOIL AND THREE-QUARTER-INCH (3/4") CLASS 2 AGGREGATE BASE.
- WS-16. A NO. 10 INSULATED COPPER LOCATOR WIRE SHALL BE AFFIXED TO WATER MAINS, FIRE HYDRANTS, MAIN AND HYDRANT VALVES, AND APPURTENANCES. THE WIRE SHALL BE AFFIXED TO THE TOP OF PIPE WITH TEN-MIL (10 MIL) VINYL TAPE EVERY FIVE FEET (5'). THE CONTRACTOR SHALL CONDUCT A CONTINUITY TEST ON ALL LOCATOR WIRE SPLICES. A MINIMUM OF TWO (2) STRANDS OF THREE INCH (3") WIDE NON-DETECTABLE BLUE TAPE MARKED "WATER" SHALL BE PLACED TWELVE INCHES (12") ABOVE MAIN AND SERVICE PIPING AT THE TRENCH EDGES.
- WS-17. ALL AWWA KEY-OPERATED VALVES TWELVE INCH (12") AND SMALLER SHALL BE EPOXY-COATED RESILIENT WEDGE GATE VALVES (RWGV) UNLESS OTHERWISE SPECIFIED. VALVES FOURTEEN INCHES (14") AND LARGER SHALL BE EPOXY-COATED BUTTERFLY VALVES (BFV) UNLESS OTHERWISE SPECIFIED. MAIN AND HYDRANT VALVES SHALL BE FLANGED TO FITTINGS UNLESS OTHERWISE NOTED.
- WS-18. EACH LOT SHALL BE PROVIDED WITH A ONE INCH (1") METERED WATER SERVICE UNLESS OTHERWISE SPECIFIED. WATER SERVICES SHALL BE POLYETHYLENE TUBING, UNLESS OTHERWISE NOTED, WITH LEAD FREE BRASS COMPRESSION CONNECTIONS AND FITTINGS. SERVICE SADDLES SHALL BE BRONZE.
- WS-19. ALL MAIN VALVES AND FIRE HYDRANT VALVES SHALL BE PROVIDED WITH AN OLDCASTLE PRECAST NO. G04 TRAFFIC VALVE BOX AND NO. G04C CAST IRON LID MARKED "WATER." THE TRIANGULAR LID SHALL POINT IN THE DIRECTION OF THE WATER MAIN THAT IS ISOLATED BY THE VALVE. THE VALVE OPERATING NUT SHALL BE FULLY ACCESSIBLE AND CENTERED IN THE VALVE ACCESS RISER. MAIN VALVES, SERVICE VALVES, AND BLOW-OFF VALVE BOXES SHALL AVOID CONFLICTS WITH CURBS, GUTTERS, SIDEWALKS AND DRIVEWAYS UNLESS APPROVED BY THE DISTRICT, AND BE VISIBLE AND ACCESSIBLE AFTER YARD GRADING/LANDSCAPING IS COMPLETED BY THE CONTRACTOR/DEVELOPER.

TITLE:	GENERAL NOTES	PROJECT:	CITRUS HEIGHTS WATER DISTRICT MINNESOTA DRIVE WATER MAIN PROJECT C24-101	CITY OF CITRUS HEIGHTS	CALIFORNIA	SHEET NO.	2 OF 9
DESIGNED:		AT		DATE:		10-08-24	
DRAWN:		AT		CHECKED:		AT	
NO.							
REVISIONS		DESCRIPTION		DATE			
HORIZ. SCALE:		AS NOTED		VERT. SCALE:		AS NOTED	
A.P.N.		BENCHMARK NO.		ELEV.		191.64	
		METAL DISC STAMPED CO BM 9-52		LOCATED IN CHESILED SQUARE TOP		VERTICAL CURB SOUTH SIDE OF OAK AVE	
		ON THE PROJECTED CENTER OF ANDERSON		LN TO THE SOUTH ON THE EAST SIDE OF		SECOND DRIVE FROM WEST END OF CURB	
		AND LUTTER AT CHURCH OF JESUS CHRIST		OF LATTER-DAY SAINTS.			

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

ABS	ACRYLONITRILE BUTADIENE STYRENE
AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
ADP	ADAPTER
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
BOL	BOLLARD
BOV	BLOW-OFF VALVE
CL	COMMUNICATION
CATV	CENTERLINE
CB	CABLE TELEVISION
CL	CATCH BASIN
CL	CLASS
C.L.F.	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC.	CONCRETE
CPF	CONTROL POINT FOUND
CS	CONCRETE SURFACE
CU	COPPER
DI	DEPTH
DIA	DROP INLET
DIP	DIAMETER
DIP	DUCTILE IRON PIPE
DRWY	DRIVEWAY
DWG	DRAWING
EP	ELECTRIC, EAST
ESMT	EDGE OF PAVEMENT
EX	EASEMENT
EX	EXISTING
FH	FIRE HYDRANT
FL	FLOWLINE, FLANGE
FO	FIBER OPTIC
G	GAS
GB	GRADE BREAK
GR	GRATE
GRD	GRADE ELEVATION
GROD	GROUND ROD
GV	GAS VALVE
HP	HIGH PRESSURE
HVE	HIGH VOLTAGE ELECTRIC
ICP	IRRIGATION CONTROL PANEL
ICV	IRRIGATION CONTROL VALVE
INV	PIPE INVERT ELEVATION
IRR	IRRIGATION
JP	JOINT UTILITY POLE
JT	JOINT TRENCH
LF	LINEAL FEET
LNDG	LANDING
LVE	LOW VOLTAGE ELECTRIC
M.	METAL
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
N	NORTH
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHANG	OVERHANG
OIP	OPEN IRON PIPE
OSPH	OLD STEEL POST HOLE
P/L	PROPERTY LINE
PA	PLANTER AREA
PC	PRESSURE CLASS
PD	PLANTER DRAIN
PH	POSTHOLE, POTHOLE
PIV	POST INDICATOR VALVE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCG	ROLLED CURB AND GUTTER
RCP	REINFORCED CONCRETE PIPE
RIM	MANHOLE RIM ELEVATION
ROW	RIGHT OF WAY
RWALL	RETAINING WALL
S	SOUTH
S/W	SIDEWALK
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
SIG	SIGNAL
SL	STREET LIGHT
SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
STL	STEEL
T	TELEPHONE
TBALL	TETHER BALL POLE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
T.O.P.	TOP OF PIPE
TOW	TOP OF WALL
TRW	TOP OF RETAINING WALL
UG	UNDERGROUND
UNK	UNKNOWN
VCP	VITRIFIED CLAY PIPE
W	WATER, WEST
W/	WITH
W/O	WITHOUT
WO.	WOOD
W.I.F.	WROUGHT IRON FENCE
W.M.	WATER MAIN
XWALK	CROSSWALK

EXISTING TOPOGRAPHY

	= PROPERTY LINE
	= CENTERLINE
	= EASEMENT
	= PROPERTY CORNER FOUND AS NOTED
	= PROPERTY CORNER NOTHING FOUND OR SET
	= TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
	= SWALE OR DRAINAGE FLOW
	= DRAINAGE FLOW
	= FENCE (TYPE NOTED)
	= TREE (SIZE/TYPE INDICATED)
	= SLOPE
	= CONTOUR
	= CONCRETE SURFACE
	= EDGE OF ASPHALT
	= EDGE OF BUILDING
	= SIGN
	= POST OR BOLLARD
	= GROUND ELEVATION
	= HARD SURFACE ELEVATION

EXISTING UTILITIES

	= STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
	= STORM DRAIN LINE (RECORD INFORMATION)
	= STORM DRAIN LINE (UNDERGROUND LOCATING)
	= STORM DRAIN MANHOLE
	= STORM DRAIN CLEANOUT
	= DROP INLET
	= AREA DRAIN
	= RAIN WATER LEADER
	= DOWNSPOUT
	= SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
	= SANITARY SEWER LINE (RECORD INFORMATION)
	= SANITARY SEWER LINE (UNDERGROUND LOCATING)
	= SANITARY SEWER MANHOLE
	= SANITARY SEWER CLEANOUT
	= WATER LINE (SIZE INDICATED)
	= WATER LINE (RECORD INFORMATION)
	= WATER LINE (UNDERGROUND LOCATING)
	= WATER MANHOLE
	= WATER VALVE
	= WATER METER
	= WATER BOX
	= IRRIGATION CONTROL VALVE
	= FIRE HYDRANT
	= BACKFLOW PREVENTER
	= SPRINKLER
	= HOSE BIBB
	= BLOWOFF VALVE
	= OVERHEAD ELECTRIC LINE
	= UNDERGROUND ELECTRIC LINE
	= UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
	= UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
	= ELECTRIC MANHOLE
	= UTILITY POLE (WITH GUY WIRE)
	= ELECTRIC METER
	= ELECTRIC BOX
	= STREET LIGHTING BOX
	= LIGHT STANDARD
	= SIGNAL LIGHT
	= FLOOD LIGHT
	= ELECTRICAL OUTLET
	= GAS LINE (SIZE INDICATED)
	= GAS LINE (RECORD INFORMATION)
	= GAS LINE (UNDERGROUND LOCATING)
	= GAS MANHOLE
	= GAS VALVE
	= GAS METER
	= TELEPHONE LINE
	= TELEPHONE LINE (RECORD INFORMATION)
	= TELEPHONE LINE (UNDERGROUND LOCATING)
	= STORM DRAIN BOX
	= TRAFFIC SIGNAL BOX
	= POTHOLE X

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED SYMBOLS:

	WATER LINE & SIZE
	GATE VALVE
	FIRE HYDRANT ASSEMBLY
	WATER METER
	AIR/VACUUM VALVE
	BLOW OFF VALVE

TITLE: ABBREVIATIONS AND LEGENDS

PROJECT: CITRUS HEIGHTS WATER DISTRICT
MINNESOTA DRIVE
WATER MAIN PROJECT C24-101

CITY OF CITRUS HEIGHTS

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95702 | (916) 885-1870

DESIGNED: AT

DRAWN: AT

CHECKED: AT

DATE: 10-08-24

REVISIONS

NO.	DESCRIPTION	DATE
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HORIZ. SCALE: AS NOTED

VERT. SCALE: AS NOTED

JOB NO.: 24-027

A.P.N. 9-52

BENCHMARK NO. 9-52

ELEV. 191.64

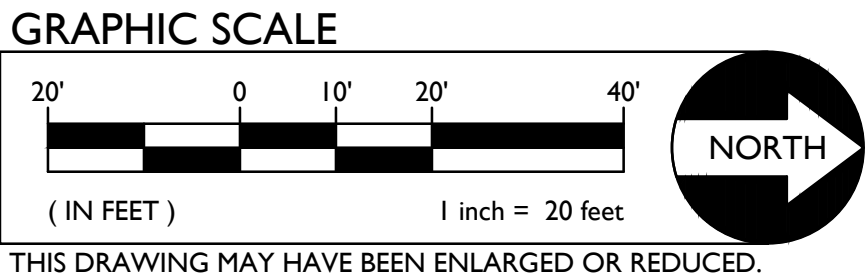
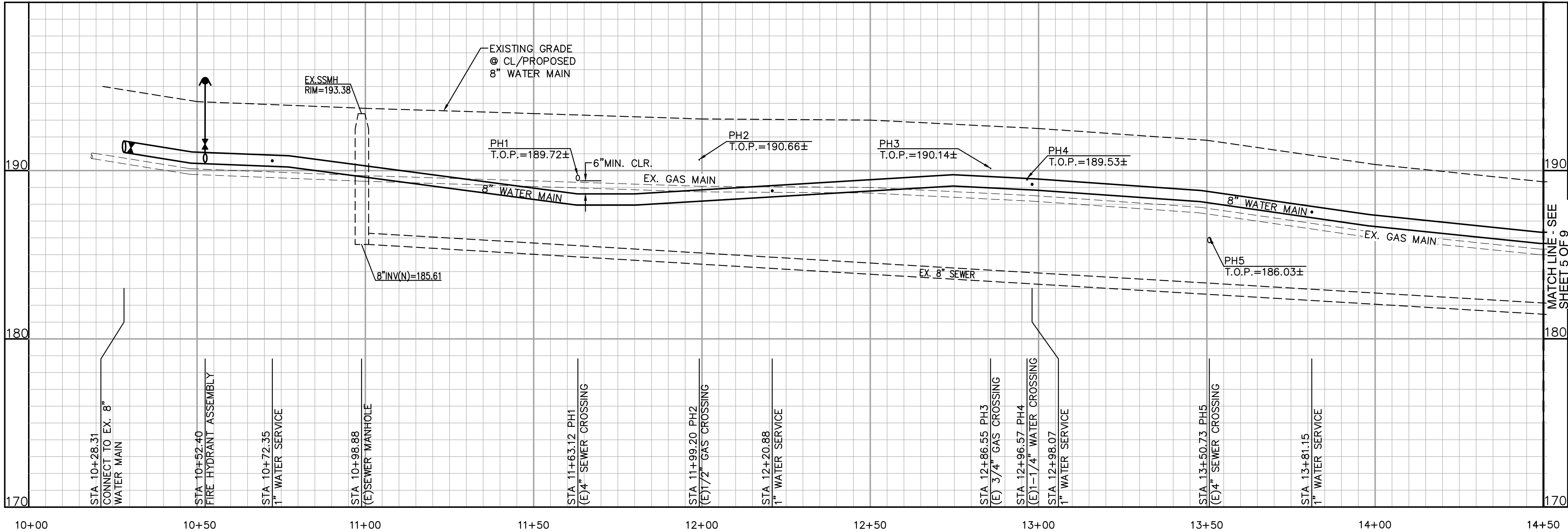
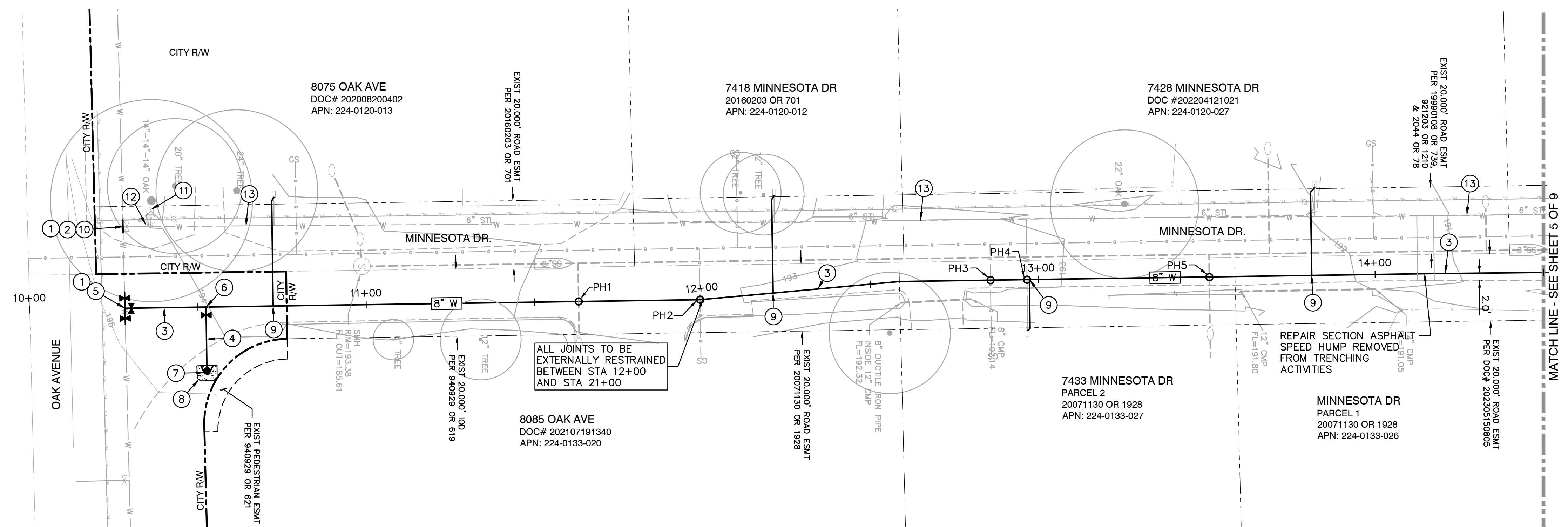
METAL DISC STAMPED CO BM 9-52
LOCATED IN CHESILED SQUARE TOP
OF VERTICAL CURB SOUTH SIDE OF OAK AVE
ON THE PROJECTED CENTER OF ANDERSON
LN TO THE SOUTH ON THE EAST SIDE OF
SECOND DRIVE FROM WEST END OF CURB
AND GUTTER AT CHURCH OF JESUS CHRIST
OF LATTER-DAY SAINTS.

3

OF

9

FILENAME: I:\24-027\CIVIL\DWG\24-027-C4-C6.DWG PLOTTED: Thursday, October 10, 2024



- CONSTRUCTION NOTES**
- CONNECT TO EXISTING 12" ACP WATER MAIN WITH 12" FLEX COUPLING(S). REMOVE EXISTING PIPING AS NEEDED.
 - INSTALL 12" PC350 DIP WATER MAIN (MIN. 6' SECTION) PER CHWD DETAILS TREN_713CH.
 - INSTALL 8" CL305 DR 14 AWWA C900 PVC WATER MAIN PER CHWD DETAIL TREN_713CH.
 - INSTALL 6" PC350 DIP WATER MAIN PER CHWD DETAILS FH_612 AND TREN_713CH.
 - INSTALL 12" X 8" FL X FL TEE WITH 12" FL X MJ RW GATE VALVES TO EAST AND WEST (MIN. 3' DIP PUPS OUT OF VALVES TO FLEX COUPLINGS), AND 8" FL X MJ RW GATE VALVE TO NORTH, PER CHWD DETAILS TB_001 AND VB_811.
 - INSTALL 8" X 6" MJ X FL TEE WITH 6" FL X MJ RW GATE VALVE TO EAST, PER CHWD DETAILS TB_001 AND VB_811.
 - INSTALL FIRE HYDRANT PER CHWD DETAIL FH_617.
 - INSTALL CONCRETE FIRE HYDRANT ACCESS PAD PER CHWD DETAIL FH_683.
 - REPLACE EXISTING WATER SERVICE WITH 1" POLY SERVICE PER CHWD DETAIL WS_108PE. CONNECT TO EXISTING 1" METER SETTER.
 - REMOVE EXISTING TEE AND VALVE, INCLUDING THRUST BLOCK AND PIPING AS NECESSARY.
 - REMOVE EXISTING FIRE HYDRANT. CLOSE VALVE, REMOVE VALVE BOX AND RISER TO MINIMUM 3" BELOW FINISHED GRADE, AND BACK FILL TO 95% COMPACTION.
 - REMOVE EXISTING VALVE BOX AND RISER TO 3" BELOW FINISH GRADE. CLOSE VALVE AND BACKFILL TO 95% COMPACTION. RESTORE SURFACE TO MATCH SURROUNDING AREA.
 - EXISTING 6" WATER MAIN TO BE ABANDONED IN PLACE. REMOVE AND PLUG WATER MAIN WHERE NECESSARY TO INSTALL NEW WATER FACILITIES.

NOTE: ALL FITTINGS TO BE RESTRAINED

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING AND VERIFYING THESE LISTED POTHOLE LOCATIONS AND ANY ADDITIONAL LOCATIONS PRIOR TO CONSTRUCTION. ADD POTHOLE DATA TO PLAN SET AS PART OF AS-BUILTS.

EXISTING POTHOLE DATA			
PH#	DESCRIPTION	PIPE TYPE	DEPTH TO TOP OF PIPE
PH1	4" SEWER LATERAL	ABS	43"
PH2	1/2" GAS SERVICE	PE	29"
PH3	3/4" GAS SERVICE	STEEL	30"
PH4	1-1/4" WATER SERVICE	STEEL	36"
PH5	4" SEWER LATERAL	VCP	69"

DESIGNED: AT

DRAWN: AT

CHECKED: AT

DATE: 10-08-24

REVISIONS

NO.

DESCRIPTION

DATE

HORIZ. SCALE:

AS NOTED

VERT. SCALE:

AS NOTED

JOB NO.:

24-027

APN:

224-0133-027

BENCHMARK NO.:

9-52

ELEV.:

191.64

METAL DISC STAMPED CO. BM 9-52

LOCATED IN CHESLED SQUARE TOP

OF VERTICAL CURB SOUTH SIDE OF OAK AVE

ON THE PROJECTED CENTER OF ANDERSON

LN TO THE SOUTH ON THE EAST SIDE OF

SECOND DRIVE FROM WEST END OF CURB

AND LITTER AT CHURCH OF JESUS CHRIST

OF LATTER-DAY SAINTS.

811

Know what's below.

Call before you dig.

TITLE:

MINNESOTA DR. STA 10+00 TO 14+50

PROJECT:

CITRUS HEIGHTS WATER DISTRICT

MINNESOTA DRIVE

WATER MAIN PROJECT C24-101

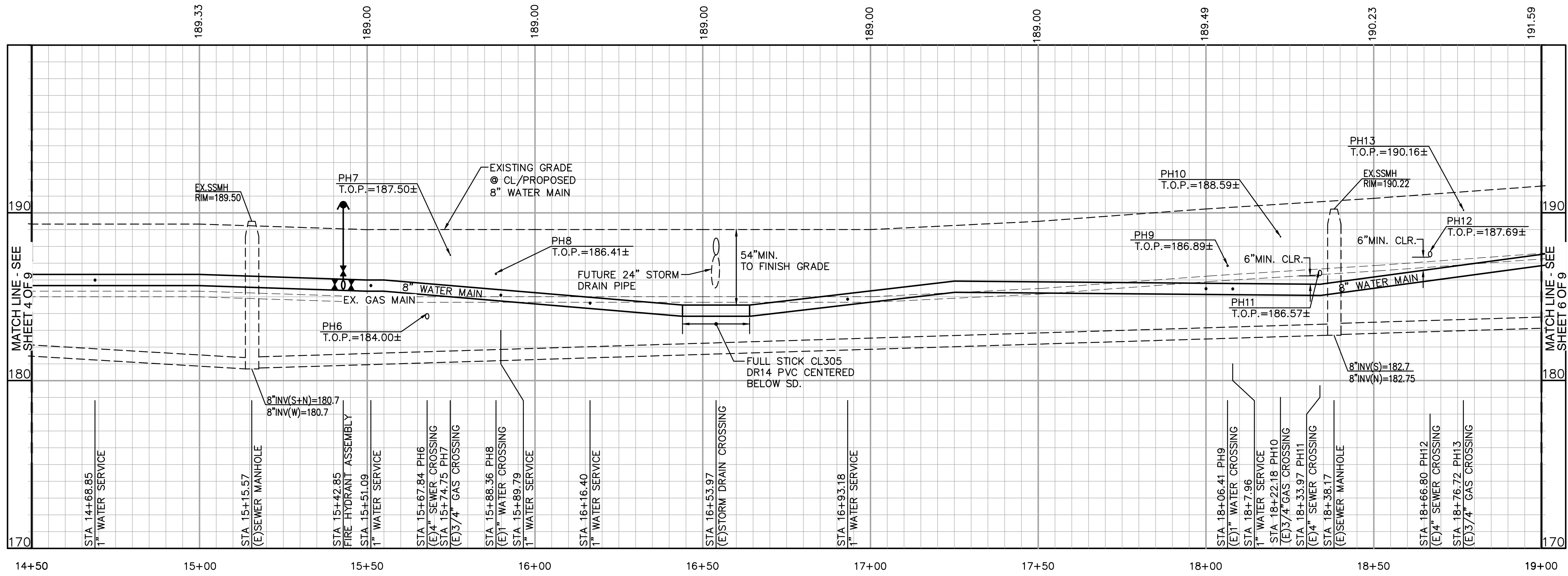
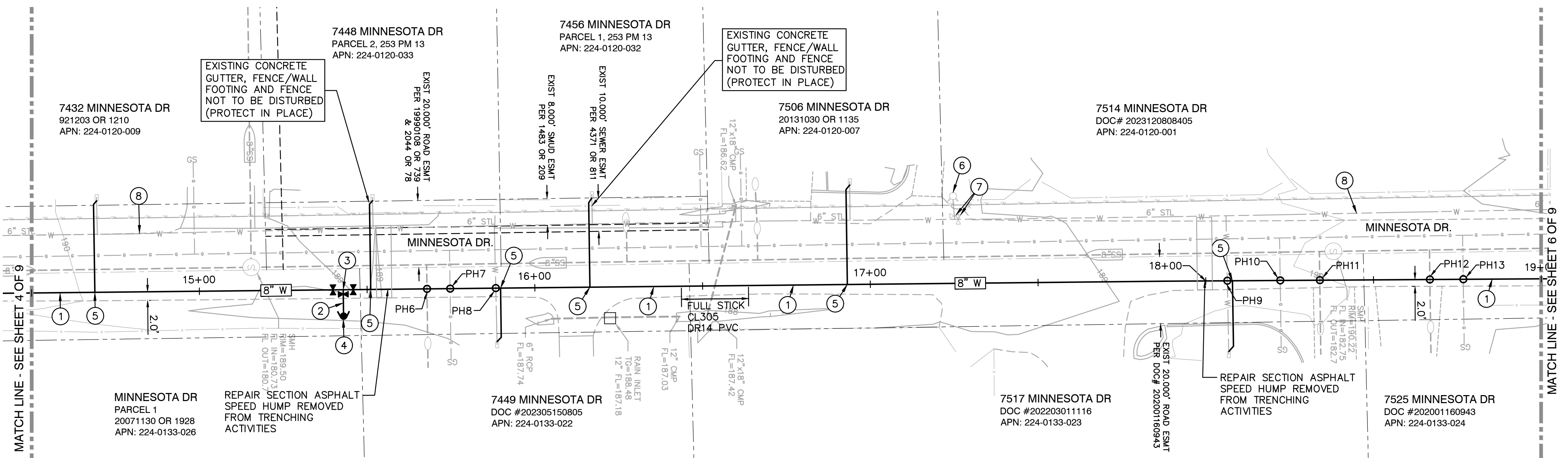
CITY OF CITRUS HEIGHTS

CALIFORNIA

SHEET NO.

4 OF 9

FILENAME: i:\24-027\CIVIL\DWG\24-027-C4-C6.DWG PLOTTED: Thursday, October 10, 2024



- ### CONSTRUCTION NOTES
- INSTALL 8" CL305 DR 14 AWWA C900 PVC WATER MAIN PER CHWD DETAIL TREN_713CH.
 - INSTALL 6" PC350 DIP WATER MAIN PER CHWD DETAILS FH_612 AND TREN_713CH.
 - INSTALL 8" X 6" FL X FL TEE WITH 8" FL X MJ RW GATE VALVES TO NORTH AND SOUTH, AND 6" FL X MJ RW GATE VALVE TO EAST PER CHWD DETAILS TB_001 AND VB_811.
 - INSTALL FIRE HYDRANT PER CHWD DETAIL FH_617.
 - REPLACE EXISTING WATER SERVICE WITH 1" POLY SERVICE PER CHWD DETAIL WS_108PE. CONNECT TO EXISTING 1" METER SETTER.
 - REMOVE EXISTING FIRE HYDRANT. CLOSE VALVE, REMOVE VALVE BOX AND RISER TO MINIMUM 3' BELOW FINISHED GRADE, AND BACK FILL TO 95% COMPACTION.
 - REMOVE EXISTING VALVE BOX AND RISER TO 3' BELOW FINISH GRADE. CLOSE VALVE AND BACKFILL TO 95% COMPACTION. RESTORE SURFACE TO MATCH SURROUNDING AREA.
 - EXISTING 6" WATER MAIN TO BE ABANDONED IN PLACE. REMOVE AND PLUG WATER MAIN WHERE NECESSARY TO INSTALL NEW WATER FACILITIES.

NOTE: ALL FITTINGS TO BE RESTRAINED

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING AND VERIFYING THESE LISTED POTHOLE LOCATIONS AND ANY ADDITIONAL LOCATIONS PRIOR TO CONSTRUCTION. ADD POTHOLE DATA TO PLAN SET AS PART OF AS-BUILTS.

EXISTING POTHOLE DATA			
PH#	DESCRIPTION	PIPE TYPE	DEPTH TO TOP OF PIPE
PH6	4" SEWER LATERAL	ABS	60"
PH7	3/4" GAS SERVICE	STEEL	18"
PH8	1" WATER SERVICE	CU	31"
PH9	1" WATER SERVICE	CU	41"
PH10	3/4" GAS SERVICE	STEEL	23"
PH11	4" SEWER LATERAL	ABS	49"
PH12	4" SEWER LATERAL	VCP	41"
PH13	3/4" GAS SERVICE	STEEL	13"

APN: 9-52 ELEV. 191.64

BENCHMARK NO. 9-52

METAL DISC STAMPED CO BM 9-52 LOCATED IN CHESILED SQUARE TOP OF VERTICAL CURB SOUTH SIDE OF OAK AVE ON THE PROJECTED CENTER OF ANDERSON LN TO THE SOUTH ON THE EAST SIDE OF SECOND DRIVE FROM WEST END OF CURB AND GUTTER AT CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS.

HORIZ. SCALE: AS NOTED

VERT. SCALE: AS NOTED

REVISIONS

DATE

DESIGNED: AT NO.

DRAWN: AT

CHECKED: AT

DATE: 10-08-24

PROFESSIONAL ENGINEER

ANTHONY J. TABASCO

REGISTERED

STATE OF CALIFORNIA

WC

WARREN CONSULTING ENGINEERS, INC.

1117 WINDFIELD WAY, SUITE 110

EL DORADO HILLS, CA 95762 (916) 986-1870

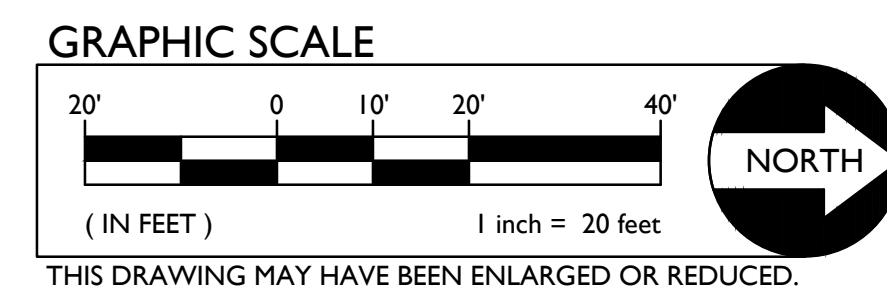
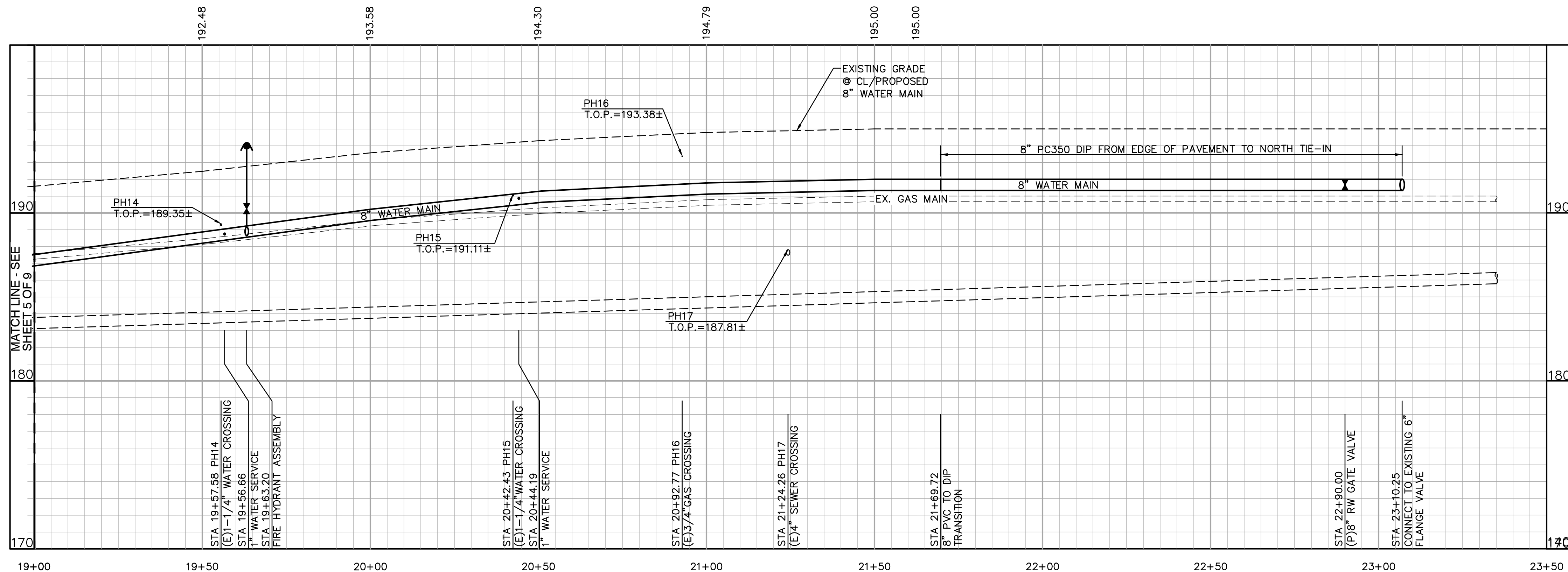
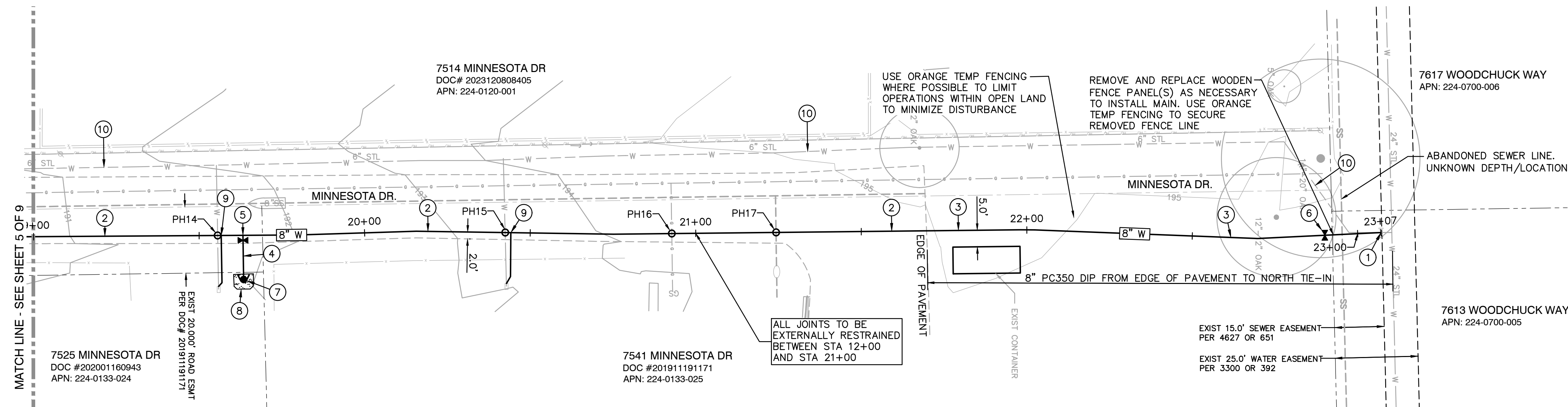
TITLE: MINNESOTA DR. STA 14+50 TO 19+00

PROJECT: CITRUS HEIGHTS WATER DISTRICT
MINNESOTA DRIVE
WATER MAIN PROJECT C24-101

CITY OF CITRUS HEIGHTS CALIFORNIA

SHEET NO. 5 OF 9








○ CONSTRUCTION NOTES

1. CONNECT TO EXISTING 6" FL VALVE. INSTALL 8" X 6" MJ X FL (FL ON 6" SIDE) REDUCER. REMOVE PIPING AS NECESSARY TO INSTALL NEW WATER MAIN.
2. INSTALL 8" CL305 DR 14 AWWA C900 PVC WATER MAIN (EXCEPT WHERE PC350 DIP IS NOTED) PER CHWD DETAIL TREN_713CH.
3. INSTALL 8" PC350 DIP WATER MAIN PER CHWD DETAIL TREN_713CH.
4. INSTALL 6" PC350 DIP WATER MAIN PER CHWD DETAILS FH_612 AND TREN_713CH.
5. INSTALL 8" X 6" MJ X FL TEE WITH 6" FL X MJ RW GATE VALVE TO EAST PER CHWD DETAILS TB_001 AND VB_811.
6. INSTALL 8" MJ X MJ RW GATE VALVE PER CHWD DETAIL VB_810.
7. INSTALL FIRE HYDRANT PER CHWD DETAIL FH_617.
8. INSTALL CONCRETE FIRE HYDRANT ACCESS PAD PER CHWD DETAIL FH_683.
9. REPLACE EXISTING WATER SERVICE WITH 1" POLY SERVICE PER CHWD DETAIL WS_108PE. CONNECT TO EXISTING 1" METER SETTER.
10. EXISTING 6" WATER MAIN TO BE ABANDONED IN PLACE. REMOVE AND PLUG WATER MAIN WHERE NECESSARY TO INSTALL NEW WATER FACILITIES.

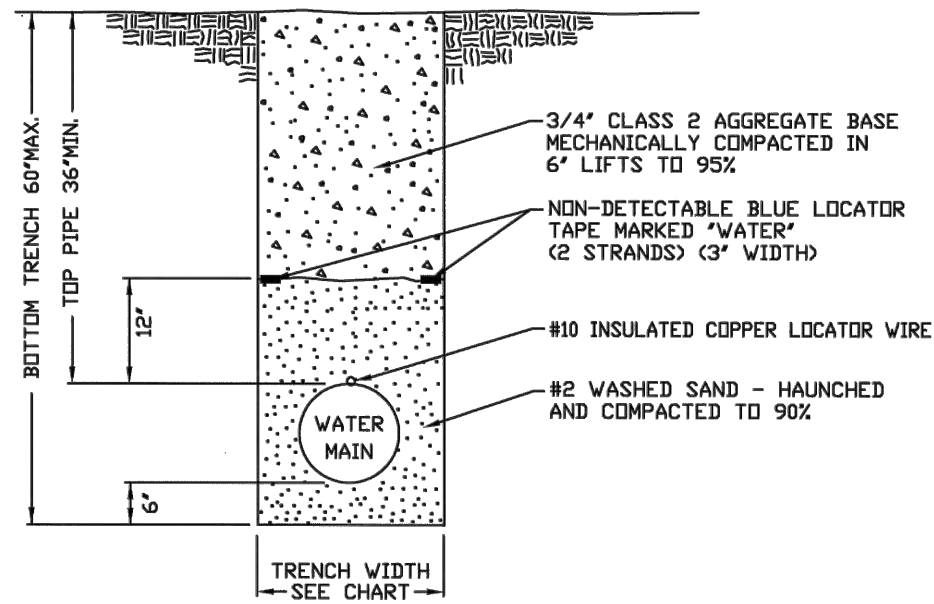
NOTE: ALL FITTINGS TO BE RESTRAINED

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING AND
VERIFYING THESE LISTED POTHOLE LOCATIONS AND ANY
ADDITIONAL LOCATIONS PRIOR TO CONSTRUCTION. ADD POTHOLE
DATA TO PLAN SET AS PART OF AS-BUILTS.

EXISTING POTHOLE DATA			
PH#	DESCRIPTION	PIPE TYPE	DEPTH TO TOP OF PIPE
PH14	1-1/4" WATER SERVICE	STEEL	39"
PH15	1-1/4" WATER SERVICE	STEEL	37"
PH16	3/4" GAS SERVICE	STEEL	16"
PH17	4" SEWER LATERAL	ACP	85"

SHEET NO.		6		OF		9	
TITLE:		MINNESOTA DR. STA 19+00 TO 23+50					
PROJECT:		CITRUS HEIGHTS WATER DISTRICT MINNESOTA DRIVE WATER MAIN PROJECT C24-101					
CITY OF CITRUS HEIGHTS		CALIFORNIA					
							
WARREN CONSULTING ENGINEERS, INC. 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 (916) 985-1870		DESIGNED:		REVISIONS		HORIZ. SCALE:	
		AT		NO.		AS NOTED	
		DRAWN:				VERT. SCALE:	
		CHECKED:				AS NOTED	
		DATE:				JOB NO.:	
10-08-24						24-027	
						BENCHMARK NO. 9-52 ELEV. 191.64	
						METAL DISC STAMPED CO BM 9-52 LOCATED IN CHEELED SQUARE TOP OF VERTICAL CURB SOUTH SIDE OF OAK AVE ON THE PROJECTED CENTER OF ANDERSON LN TO THE SOUTH ON THE EAST SIDE OF SECOND DRIVE FROM WEST END OF CURB AND GUTTER AT CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS.	

FILENAME: I:\24-027\CIVIL DWG\24-027-C7-CD.DWG PLOTTED: Tuesday, October 08, 2024

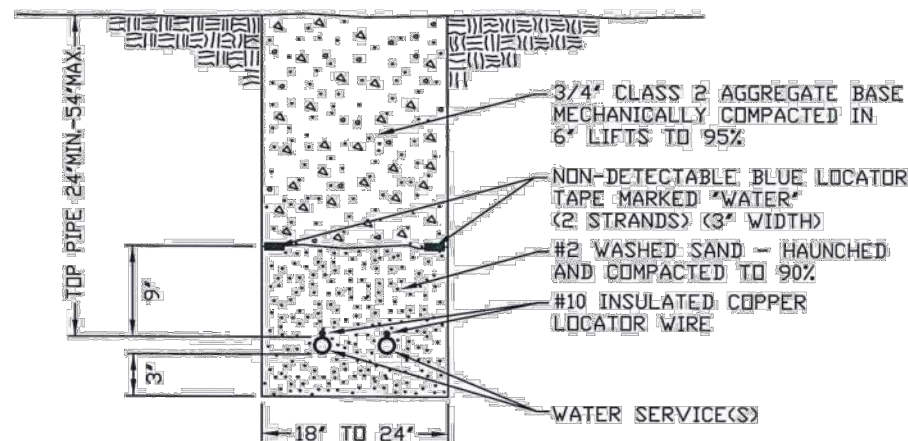


MAIN DIAMETER	MINIMUM TRENCH WIDTH
4"	18"
6"	24"
8"	24"
10"	30"
12"	30"

4" THROUGH 12" TRENCH DETAIL - SHOULDER

CITRUS HEIGHTS WATER DISTRICT

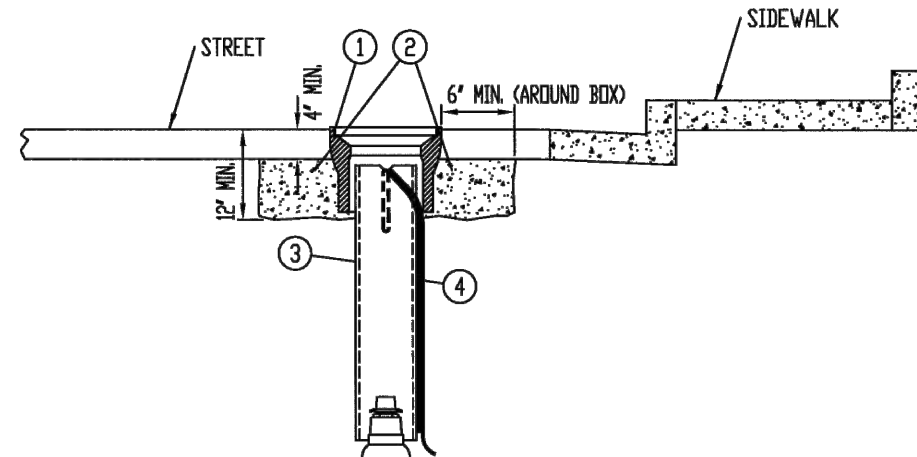
APPROVED BY: *Robert A. Chumbley* DATE: 5/8/13
CITRUS HEIGHTS WATER DISTRICT
SCALE: N.T.S.
DESIGN: P.A.D.
CADD FILE: TREN_712.DWG
PAGE: TREN_712



SERVICE LINE TRENCH DETAIL - SHOULDER

CITRUS HEIGHTS WATER DISTRICT

APPROVED BY: *Melina Piers* DATE: 4/19/17
CITRUS HEIGHTS WATER DISTRICT
SCALE: N.T.S.
DESIGN: P.A.D.
CADD FILE: TREN_722.DWG
PAGE: TREN_722



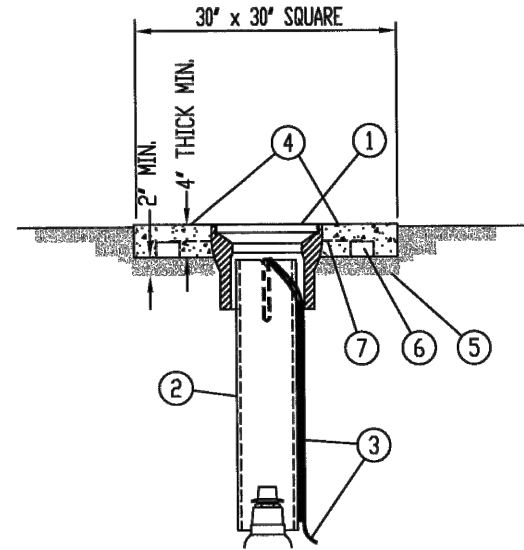
- NOTES:
- RISER SHALL BE PLUMB.
 - VALVE OPERATING NUT SHALL BE CENTERED IN THE RISER AND FULLY ACCESSIBLE.
 - MATERIAL BELOW CONCRETE ENCASEMENT SHALL BE COMPACTED TO 90% MINIMUM.
 - CONCRETE ENCASEMENT SHALL BE ALLOWED TO CURE 24 HOURS MINIMUM PRIOR TO FINISH PAVING.
 - TRIANGULAR LID SHALL POINT IN THE DIRECTION OF THE MAIN WHICH IS ISOLATED BY THE VALVE.

- VALVE BOX/LID - MARKED "WATER", DUCTILE PRECAST NO. G04 BOX, G04C LID
- CONCRETE ENCASEMENT AROUND VALVE BOX - TYPE II SIX-SACK PORTLAND CEMENT
- 8" RISER - SDR35 ONLY, CONTINUOUS SECTION
- #10 INSULATED COPPER LOCATOR WIRE

WATER MAIN VALVE BOX - STREET/DRIVEWAY

CITRUS HEIGHTS WATER DISTRICT

APPROVED BY: *Robert A. Chumbley* DATE: 5/8/13
CITRUS HEIGHTS WATER DISTRICT
SCALE: N.T.S.
DESIGN: P.A.D.
CADD FILE: VB_811.DWG
PAGE: VB_811



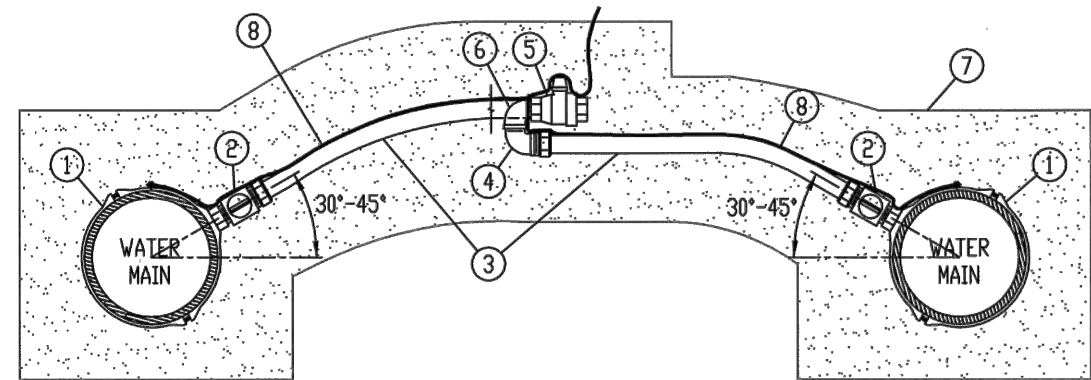
- NOTES:
- RISER SHALL BE PLUMB.
 - VALVE OPERATING NUT SHALL BE CENTERED IN THE RISER AND FULLY ACCESSIBLE.
 - MATERIAL BELOW AGGREGATE BASE SHALL BE COMPACTED TO 90% MINIMUM.
 - CONTACT CITRUS HEIGHTS WATER DISTRICT FOR REBAR INSPECTION PRIOR TO POURING CONCRETE. (916) 725-6873
 - REINFORCED CONCRETE PAD SHALL BE FINISHED WITH AN EDGING TOOL AROUND THE ENTIRE PERIMETER AND BRODMED AT RIGHT ANGLES TO THE DIRECTION OF TRAVEL.
 - TRIANGULAR LID SHALL POINT IN THE DIRECTION OF THE MAIN WHICH IS ISOLATED BY THE VALVE.

- VALVE BOX/LID - MARKED "WATER", DUCTILE PRECAST NO. G04 BOX, G04C LID
- 8" RISER - SDR35 ONLY, CONTINUOUS SECTION
- #10 INSULATED COPPER LOCATOR WIRE
- REINFORCED CONCRETE PAD - 4" THICK x 30" SQUARE, TYPE II SIX-SACK PORTLAND CEMENT
- 3/4" CLASS 2 AGGREGATE BASE - 2" MINIMUM, MECHANICALLY COMPACTED TO 90%
- CONCRETE DOORIE w/ WIRE
- 3/8" (#3) REBAR - 2" INSIDE PERIMETER

WATER MAIN VALVE BOX - LANDSCAPE

CITRUS HEIGHTS WATER DISTRICT

APPROVED BY: *Robert A. Chumbley* DATE: 5/8/13
CITRUS HEIGHTS WATER DISTRICT
SCALE: N.T.S.
DESIGN: P.A.D.
CADD FILE: VB_810.DWG
PAGE: VB_810

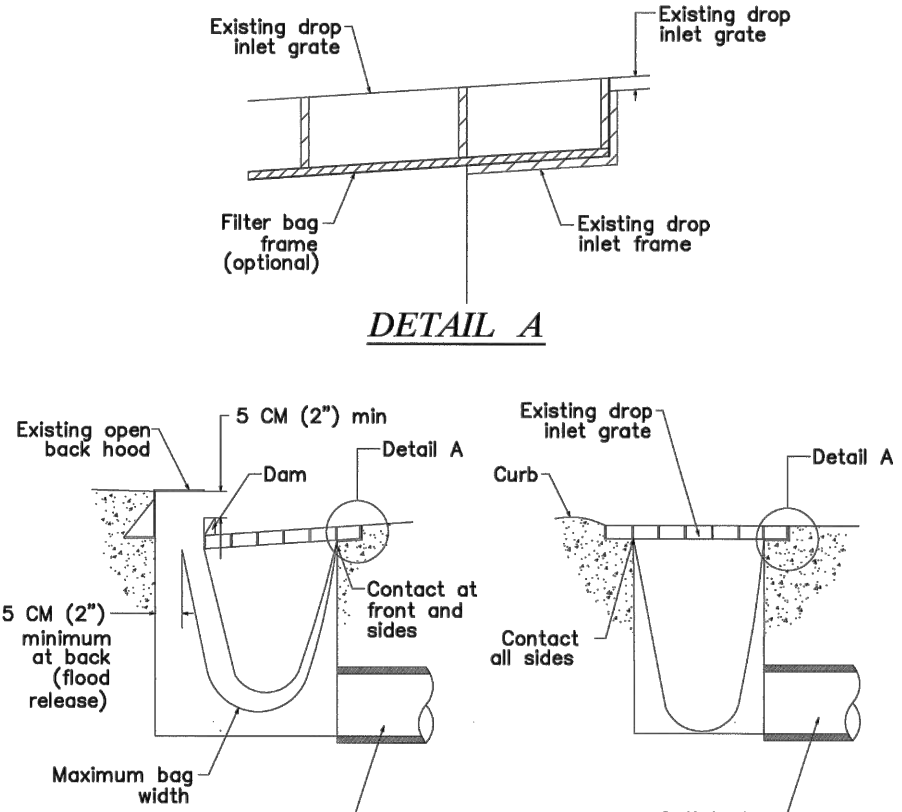


- 1" BRONZE SADDLE - IPT
- 1" CORPORATION STOP - FULL-PORT BALL, MIP x CTS COMP w/ STAINLESS STEEL INSERT (1" CTS INSERT-52)
- 1" POLYETHYLENE TUBING - CTS ENDOPORE PE-4710 SDR 9 (250 PSD) OR EQUAL
- 1" BRASS STREET ELBOW - CTS COMP x MIP w/ STAINLESS STEEL INSERT (1" CTS INSERT-52)
- 1" VALVE - FULL-PORT BALL, FIP x FIP or CTS x FIP w/ STAINLESS STEEL INSERT (1" CTS INSERT-52)
- 1" BRASS STREET ELBOW
- #2 WASHED SAND COMPACTED TO 90%
- #10 INSULATED COPPER LOCATOR WIRE (INSTALL INTO EXISTING METER BOX)

1" POLYETHYLENE WATER SERVICE

CITRUS HEIGHTS WATER DISTRICT

APPROVED BY: *Robert A. Chumbley* DATE: 9/25/14
CITRUS HEIGHTS WATER DISTRICT
SCALE: N.T.S.
DESIGN: P.A.D.
CADD FILE: WS_108PE.DWG
PAGE: WS_108PE



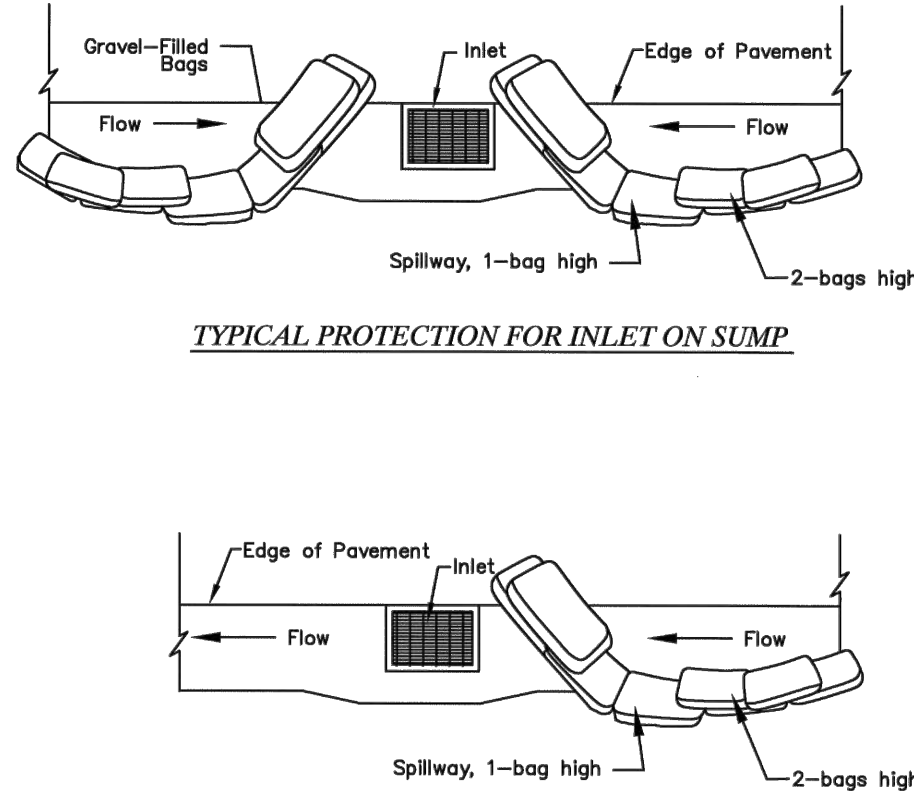
PLACEMENT AT CURB INLETS

PLACEMENT AT AREA INLETS

STORM DRAIN INLET PROTECTION FILTER BAG INSTALLATION

CITRUS HEIGHTS WATER DISTRICT

APPROVED BY: *Robert A. Chumbley* DATE: 5/8/13
CITRUS HEIGHTS WATER DISTRICT
SCALE: N.T.S.
DESIGN: P.A.D.
CADD FILE: SWPPP_100.DWG
PAGE: SWPPP_100

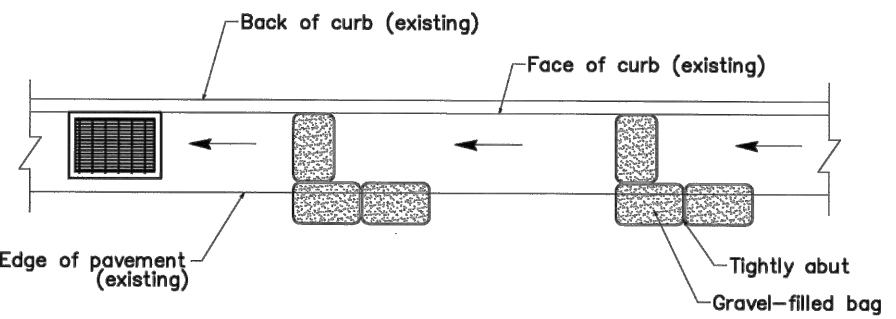


- NOTES:
- Intended for short-term use.
 - Use to inhibit non-storm water flow.
 - Allow for proper maintenance and cleanup.
 - Bags must be removed after adjacent operation is completed
 - Not applicable without filter fabric in areas with high silts and clays.

STORM DRAIN INLET PROTECTION CURB INLET INSTALLATION

CITRUS HEIGHTS WATER DISTRICT

APPROVED BY: *Robert A. Chumbley* DATE: 5/8/13
CITRUS HEIGHTS WATER DISTRICT
SCALE: N.T.S.
DESIGN: P.A.D.
CADD FILE: SWPPP_101.DWG
PAGE: SWPPP_101



EXISTING CURB DRAIN SEDIMENT TRAP

STORM DRAIN INLET PROTECTION SEDIMENT TRAP

CITRUS HEIGHTS WATER DISTRICT

APPROVED BY: *Robert A. Chumbley* DATE: 5/8/13
CITRUS HEIGHTS WATER DISTRICT
SCALE: N.T.S.
DESIGN: P.A.D.
CADD FILE: SWPPP_102.DWG
PAGE: SWPPP_102



TITLE: STANDARD DETAILS - 2
PROJECT: CITRUS HEIGHTS WATER DISTRICT
MINNESOTA DRIVE
WATER MAIN PROJECT C24-101
CITY OF CITRUS HEIGHTS
CALIFORNIA

SECTION 01200
ENCROACHMENT PERMIT DOCUMENTS

MINNESOTA DRIVE WATER MAIN PROJECT
C24-101

The following Encroachment Permit Documents pertain to Citrus Heights Water District's Minnesota Drive Water Main Project C24-101:

<u>City of Citrus Heights Encroachment Permit</u>	(TBD)
Encroachment Permit Application	(4 Pages)
General Provisions and Restrictions	(3 Pages)
Minimum Insurance Requirements	(2 Pages)
Temporary Traffic Control Conditions	(1 Page)