Technical Memorandum

November 24, 2026

To	Ryan Rhoades, MCSD Superintendent	**Contact No.**	707-540-3376
Copy to	File	**Email**	matt.kennedy@ghd.com
From	Matthew G. Kennedy, PE	**Project No.**	12619547
Project Name	MCCSD Recycled Water Project		
Subject	Recycled Water Expansion Project Bid Summary and Recommendation for Award		

1. Summary of Bids

On November 23, 2026, bids were opened for the Mendocino City Community Services District (MCCSD) Recycled Water Project. Bids were due by 2:00 PM. A total of four (4) bids were received. The bids were reviewed for responsiveness and compliance with the Bid Documents, including the Instructions to Bidders, Bid Proposal requirements, and required bid forms.

1.1 Bid Organization

The bid was organized into a series of Base Bid and Alternate Bid schedules. The Base Bid schedules and Alternate Bid Schedule H are funded by a California Water Boards Water Recycling Funding Program Construction Grant. Alternate Bid Schedules F and G are funded by MCCSD.

The Base Bid schedules were:

A – Recycled Water Expansion

B – MCCSD Property Irrigation System

C – Hillcrest Cemetery Irrigation System

D – Heider Field Irrigation System

E – Evergreen Cemetery Irrigation System

The Alternate Bid schedules were:

F – Evergreen Street Sewer Main Replacement

G – Main Street Sewer Lift Station Improvements

H – Main Street Recycled Water Extension

As stated in the bid forms, the apparent low Bidder was determined based on the sum of the Base Bid Schedules A through E. The apparent low Bidder is that which results in the lowest total amount for all the Work in Base Bid Schedules A through E.

1.2 Bids Received

Bids were received from the following contractors (listed in the order received with times):

- G R Sundberg, Inc. (1:10 PM)

- Wahlund Construction (1:31 PM)
- Ghilotti Construction Company (1:48 PM)
- Mercer – Fraser Company (1:53 PM)

Bids were opened shortly after 2:00 PM and read aloud and summarized on a white board at MCCSD's office. Table 1 below summarizes all the bids received including the Engineer's Estimate.

Table 1: Summary of Bids Received.

BASE BID	Engineer's Estimate	Ghilotti Construction Company	Mercer – Fraser Company	Wahlund Construction	G R Sundberg, Inc.
TOTAL BASE BID SCHEDULE A	$1,370,480.94	$1,106,000.00	$1,276,900.00	$1,239,783.00	$1,734,850.00
TOTAL BASE BID SCHEDULE B	$129,281.25	$106,400.00	$105,000.00	$119,182.00	$106,000.00
TOTAL BASE BID SCHEDULE C	$61,562.50	$41,400.00	$27,000.00	$25,494.00	$23,000.00
TOTAL BASE BID SCHEDULE D	$116,968.75	$108,400.00	$111,000.00	$231,180.00	$187,500.00
TOTAL BASE BID SCHEDULE E	$61,562.50	$52,150.00	$29,000.00	$26,652.00	$25,000.00
TOTAL BASE BID	**$1,739,855.94**	**$1,414,350.00**	**$1,548,900.00**	**$1,642,291.00**	**$2,076,350.00**
TOTAL ALTERNATE BID SCHEDULE F	$108,411.56	$233,250.00	$165,125.00	$146,268.00	$160,125.00
TOTAL ALTERNATE BID SCHEDULE G	$80,031.25	$300,000.00	$115,000.00	$290,054.00	$305,000.00
TOTAL ALTERNATE BID SCHEDULE H	$41,554.69	$41,250.00	$45,000.00	$76,200.00	$105,000.00

1.3 Base Bid Comparison

Based on the bid opening results, Ghilotti Construction Company (GCC) is the low bidder. The Engineer's Estimate for the Base Bid Schedules A through E is $1,739,855.94. GCC's Base Bid for Schedules A through E is $1,414,350.00, which is 18.71% below the Engineer's Estimate. No errors were identified in GCC's bid schedule unit and total prices for any of the bid schedules. Table 2 below summarizes the base bids received and includes a comparison with the Engineer's Estimate.

Table 2: Summary of Base Bid Schedules A – E and Comparison with Engineer's Estimate.

BIDDER	TOTAL BASE BID AMOUNT	DIFFERENCE FROM ENGINEER'S ESTIMATE
Ghilotti Construction Company	**$1,414,350.00**	**-18.71%**
Mercer – Fraser Company	$1,548,900.00	-10.98%
Wahlund Construction	$1,642,291.00	-5.61%
Engineer's Estimate	$1,739,855.94	0.00%
W R Sundberg, Inc.	$2,076,350.00	19.34%

Following a detailed review of the bids received, it was determined that there were no computational errors in any of the bids.

1.4 Detailed Review of Bid Schedules

A detailed review of the bids received was performed to identify any irregularities or indications of unbalanced pricing. Item pricing was flagged where it was greater or less than 50% of the Engineer's Estimate. The most significant pricing differences were observed in Bid Schedule A, specifically for the smaller items of work, which

were the recycled water services and backflow devices (bid items A-6, A-7, A-8 and A-9) and the Ford House Public Restrooms Plumbing Retrofit (bid item A-14). Bid item D-3 also showed some variation, with bids generally being higher than estimated, likely because of the amount of trenching work involved. While variations between bidders and variation from the Engineer's Estimate were noted in certain bid items, no significant irregularities were identified that would be grounds to disqualify GCC as the low bidder or require rejection of GCC's bid under the requirements of the Bidding Documents. A copy of the detailed bid schedules with individual bid items for each bid received is included as Attachment 1 to this technical memorandum.

1.5 Ghilotti Construction Company – Bid Review

GCC's bidding documents were reviewed for responsiveness and compliance with the MCCSD bid requirements dated January 15, 2026. The review included verification of required bid forms, bid security, contractor licensing, DIR registration, subcontractor listings, and other mandatory certifications.

A review of the bid package submitted by GCC was performed for completeness and conformance with the Instructions to Bidders and Bid Proposal requirements. The items required to be submitted with a bid are:

- Department of Industrial Relations Registration
- Debarment Certification
- Off Road Regulations Assurances
- Bid Schedule
- Addenda Acknowledgement
- Non-Collusion Affidavit
- Designation of Subcontractors
- Contractor License Information
- Bidder Responsibility Statement
- Bidder Signature Page
- Bidder's Bond
- Written Evidence Establishing Qualifications

GCC submitted all the required bid forms, certifications, acknowledgements, bid security and experience as required by the Bidding Documents. Based on the information provided, GCC's bid is considered complete and responsive to the requirements in the Bidding Documents, subject to final verification of their performance bond, payment bond, insurance, and execution of the Construction Contract (Agreement). A copy of GCC's complete bid package is included as Attachment 2 to this technical memorandum.

1.6 Other Contractor Bid Responsiveness Review

The other bids received were also reviewed for completeness. They were all determined to be complete and without any computational errors. No issues were identified that would affect determination of the lowest responsive and responsible Bidder.

1.7 Review of Bid Alternates

Alternate bid schedules were reviewed relative to available budgets to provide a recommendation to award. Alternate bid schedules are additive to the base bid. All bids received for Alternative Bid Schedules F and G, which are funded by MCCSD, are above MCCSD's approved budget. GCC's bid for Alternative Bid Schedule H, which is funded by a California Water Boards Water Recycling Funding Program Construction Grant, is within the available funding when considered with the Base Bid.

2. Recommendation For Award

Based on the review of the bids received, Ghilotti Construction Company (GCC) is determined to be the lowest responsive and responsible bidder. The sum of the Base Bid Schedules A – E is 18.71% below the Engineer's Estimate and is recommended for award. The Alternate Bid Schedule H is $304.69 below the Engineer's Estimate and is recommended for award. A summary of GCC's bids for the Base Bid Schedule A – E and Alternate Bid Schedule H are summarized in Table 3 below.

Table 3: Summary of GCC's Base Bid Schedules and Alternate Bid Schedules Amounts

Schedule	Description	Amount
A	Recycled Water Expansion	$1,106,000.00
B	MCCSD Property Irrigation System	$106,400.00
C	Hillcrest Cemetery Irrigation System	$41,400.00
D	Heider Field Irrigation System	$108,400.00
E	Evergreen Cemetery Irrigation System	$52,150.00
	TOTAL BASE BID SCHEDULES	**$1,414,350.00**
H	Main Street Recycled Water Extension	$41,250.00
TOTAL RECOMMENDED AWARD		**$1,455,600.00**
Contingency (10%)		$145,560.00
TOTAL PROJECT BUDGET		**$1,601,160.00**

2.1 Recommended Board Actions

GHD recommends the following actions be taken by the MCCSD of Directors:

1. **Award of the Recycled Water Expansion Project to Ghilotti Construction Company, in the amount of one million four hundred fifty-five thousand six hundred dollars ($1,455,600.00), inclusive of Base Bid Schedules A, B, C, D and E and Alternate Bid Schedule H, and subject to final administrative review and approval by the District Superintendent and the California Water Boards Division of Financial Assistance (DFA). A contingency budget of $145,560.00 is recommended, for a total project budget of $1,601,160.00**
2. **Authorize the District Superintendent to approve change orders to Ghilotti Construction Company within the remaining available Water Recycling Funding Program grant funds and as approved by the California Water Boards DFA.**

Respectfully,

Matthew G. Kennedy, PE, TE
Principal Engineer



Attachments:

1. Detailed Bid Schedules for all Bids Received
2. Ghilotti Construction Company Bid Package

Attachment 1

Mendocino City Community Services District
Recycled Water Expansion Project (GHD Project # 12619547)
Bid Summary
23-Nov-26

Bid Schedule A

No.	Description	Quantity	Unit	Full Unit Price	Engineers Estimate	GHILOTTI CONSTRUCTION COMPANY Unit Price	GHILOTTI CONSTRUCTION COMPANY Total	MERCER - FRASER INC. Unit Price	MERCER - FRASER INC. Total	WAHLUND CONSTRUCTION, INC. Unit Price	WAHLUND CONSTRUCTION, INC. Total	G R SUNDBERG, INC. Unit Price	G R SUNDBERG, INC. Total
A-1	Mobilization and Demobilization (5% of Construction Subtotal)	1	LS	$ 70,181.25	$ 70,181.25	$ 60,000.00	$ 60,000.00	$ 90,000.00	**$ 90,000.00**	$ 53,000.00	**$ 53,000.00**	$ 130,000.00	**$ 130,000.00**
A-2	Water Pollution Control (1% of Construction Subtotal)	1	LS	$ 14,159.38	$ 14,159.38	$ 10,000.00	$ 10,000.00	$ 18,000.00	**$ 18,000.00**	$ 10,400.00	**$ 10,400.00**	$ 22,000.00	**$ 22,000.00**
A-3	Temporary Traffic Control (3% of Construction Subtotal)	1	LS	$ 41,862.50	$ 41,862.50	$ 30,000.00	$ 30,000.00	$ 54,000.00	**$ 54,000.00**	$ 25,790.00	**$ 25,790.00**	$ 60,000.00	**$ 60,000.00**
A-4	Trench Sheeting, Shoring and Bracing (Recycled Water, 3% of RW Pipe)	1	LS	$ 35,706.25	$ 35,706.25	$ 11,000.00	$ 11,000.00	$ 19,700.00	**$ 19,700.00**	$ 6,796.00	**$ 6,796.00**	$ 60,000.00	**$ 60,000.00**
A-5	8-Inch Open-Trench RW Main, AC Pavement Surface Restoration	3,330	LF	$ 277.03	$ 922,514.06	$ 200.00	$ 666,000.00	$ 190.00	**$ 632,700.00**	$ 228.00	**$ 759,240.00**	$ 325.00	**$ 1,082,250.00**
A-6	2-Inch Open-Trench RW Service, AC Pavement Surface Restoration	140	LF	$ 153.91	$ 21,546.88	$ 275.00	$ 38,500.00	$ 180.00	**$ 25,200.00**	$ 363.00	**$ 50,820.00**	$ 325.00	**$ 45,500.00**
A-7	1-Inch Open-Trench RW Service, AC Pavement Surface Restoration	100	LF	$ 92.34	$ 9,234.38	$ 225.00	$ 22,500.00	$ 185.00	**$ 18,500.00**	$ 247.00	**$ 24,700.00**	$ 325.00	**$ 32,500.00**
A-8	2-Inch Meter and Backflow Assembly	5	EA	$ 4,309.38	$ 21,546.88	$ 12,000.00	$ 60,000.00	$ 22,000.00	**$ 110,000.00**	$ 13,939.00	**$ 69,695.00**	$ 13,000.00	**$ 65,000.00**
A-9	1-Inch Meter and Backflow Assembly	2	EA	$ 2,462.50	$ 4,925.00	$ 7,250.00	$ 14,500.00	$ 15,000.00	**$ 30,000.00**	$ 9,051.00	**$ 18,102.00**	$ 8,000.00	**$ 16,000.00**
A-10	8-Inch Gate Valve	8	EA	$ 6,156.25	$ 49,250.00	$ 4,000.00	$ 32,000.00	$ 8,000.00	**$ 64,000.00**	$ 4,322.00	**$ 34,576.00**	$ 5,600.00	**$ 44,800.00**
A-11	Permanent Blowoff	3	EA	$ 4,309.38	$ 12,928.13	$ 4,000.00	$ 12,000.00	$ 7,600.00	**$ 22,800.00**	$ 5,430.00	**$ 16,290.00**	$ 3,600.00	**$ 10,800.00**
A-12	1-Inch Air Release/Vacuum Valve	2	EA	$ 15,390.63	$ 30,781.25	$ 12,500.00	$ 25,000.00	$ 8,500.00	**$ 17,000.00**	$ 11,036.00	**$ 22,072.00**	$ 10,000.00	**$ 20,000.00**
A-13	Fire Hydrant (elbow, thrust block, riser pipe, break-off CV/flange, hydrant)	5	EA	$ 14,775.00	$ 73,875.00	$ 12,000.00	$ 60,000.00	$ 21,000.00	**$ 105,000.00**	$ 16,358.00	**$ 81,790.00**	$ 14,000.00	**$ 70,000.00**
A-14	Ford House Public Restrooms Plumbing Retrofit	1	LS	$ 1,970.00	$ 1,970.00	$ 4,500.00	$ 4,500.00	$ 10,000.00	**$ 10,000.00**	$ 6,512.00	**$ 6,512.00**	$ 16,000.00	**$ 16,000.00**
A-15	Utility Conflict Resolution	10	FA	$ 6,000.00	$ 60,000.00	$ 6,000.00	$ 60,000.00	$ 6,000.00	**$ 60,000.00**	$ 6,000.00	**$ 60,000.00**	$ 6,000.00	**$ 60,000.00**
	TOTAL BASE BID SCHEDULE A				**$ 1,370,480.94**		**$ 1,106,000.00**		**$ 1,276,900.00**		**$ 1,239,783.00**		**$ 1,734,850.00**

Bid Schedule B

No.	Description	Quantity	Unit	Unit Price	EE	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
B-1	MCCSD Property Irrigation System	1	LS	$ 98,500.00	$ 98,500.00	$ 80,200.00	$ 80,200.00	$ 68,000.00	$ 68,000.00	$ 74,162.00	$ 74,162.00	$ 66,000.00	$ 66,000.00
B-2	MCCSD Property Irrigation Controller	1	LS	$ 12,312.50	$ 12,312.50	$ 8,200.00	$ 8,200.00	$ 17,000.00	$ 17,000.00	$ 13,906.00	$ 13,906.00	$ 12,000.00	$ 12,000.00
B-3	MCCSD Property PG&E Service	1	LS	$ 18,468.75	$ 18,468.75	$ 18,000.00	$ 18,000.00	$ 20,000.00	$ 20,000.00	$ 31,114.00	$ 31,114.00	$ 28,000.00	$ 28,000.00
	TOTAL BASE BID SCHEDULE B				**$ 129,281.25**		**$ 106,400.00**		**$ 105,000.00**		**$ 119,182.00**		**$ 106,000.00**

Bid Schedule C

No.	Description	Quantity	Unit	Unit Price	EE	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
C-1	Hillcrest Cemetery Irrigation System	1	LS	$ 61,562.50	$ 61,562.50	$ 41,400.00	$ 41,400.00	$ 27,000.00	$ 27,000.00	$ 25,494.00	$ 25,494.00	$ 23,000.00	$ 23,000.00
	TOTAL BASE BID SCHEDULE C				**$ 61,562.50**		**$ 41,400.00**		**$ 27,000.00**		**$ 25,494.00**		**$ 23,000.00**

Bid Schedule D

No.	Description	Quantity	Unit	Unit Price	EE	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
D-1	Heider Field Irrigation System	1	LS	$ 86,187.50	$ 86,187.50	$ 65,200.00	**$ 65,200.00**	$ 52,000.00	$ 52,000.00	$ 191,780.00	$ 191,780.00	$ 55,000.00	$ 55,000.00
D-2	Heider Field Irrigation Controller	1	LS	$ 12,312.50	$ 12,312.50	$ 8,200.00	**$ 8,200.00**	$ 12,000.00	$ 12,000.00	$ 13,906.00	$ 13,906.00	$ 12,500.00	$ 12,500.00
D-3	Heider Field PG&E Service	1	LS	$ 18,468.75	$ 18,468.75	$ 35,000.00	**$ 35,000.00**	$ 47,000.00	$ 47,000.00	$ 25,494.00	$ 25,494.00	$ 120,000.00	$ 120,000.00
	TOTAL BASE BID SCHEDULE D				**$ 116,968.75**		**$ 108,400.00**		**$ 111,000.00**		**$ 231,180.00**		**$ 187,500.00**

Bid Schedule E

No.	Description	Quantity	Unit	Unit Price	EE	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
E-1	Evergreen Cemetery Irrigation System	1	LS	$ 61,562.50	$ 61,562.50	$ 52,150.00	**$ 52,150.00**	$ 29,000.00	$ 29,000.00	$ 26,652.00	$ 26,652.00	$ 25,000.00	$ 25,000.00
	TOTAL BASE BID SCHEDULE E				**$ 61,562.50**		**$ 52,150.00**		**$ 29,000.00**		**$ 26,652.00**		**$ 25,000.00**
	TOTAL BASE BID				**$ 1,739,855.94**		**$ 1,414,350.00**		**$ 1,548,900.00**		**$ 1,642,291.00**		**$ 2,076,350.00**

Bid Schedule F

No.	Description	Quantity	Unit	Unit Price	EE	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
F-1	Trench Sheeting, Shoring and Bracing	1	LS	$ 9,850.00	$ 9,850.00	$ 33,000.00	**$ 33,000.00**	$ 6,000.00	$ 6,000.00	$ 3,364.00	$ 3,364.00	$ 19,000.00	$ 19,000.00
F-2	Open-Trench 6-inch Sewer Main	285	LF	$ 209.31	$ 59,654.06	$ 500.00	**$ 142,500.00**	$ 225.00	$ 64,125.00	$ 366.00	$ 104,310.00	$ 225.00	$ 64,125.00
F-3	48-Inch Sewer Manhole	2	EA	$ 8,618.75	$ 17,237.50	$ 9,500.00	**$ 19,000.00**	$ 12,000.00	$ 24,000.00	$ 8,742.00	$ 17,484.00	$ 20,000.00	$ 40,000.00
F-4	Connect Sewer Lateral	7	EA	$ 2,216.25	$ 15,513.75	$ 5,000.00	**$ 35,000.00**	$ 3,000.00	$ 21,000.00	$ 1,615.00	$ 11,305.00	$ 3,500.00	$ 24,500.00
F-5	Provide 2-Way Cleanout	5	EA	$ 1,231.25	$ 6,156.25	$ 750.00	**$ 3,750.00**	$ 10,000.00	$ 50,000.00	$ 1,961.00	$ 9,805.00	$ 2,500.00	$ 12,500.00
	TOTAL ALTERNATE BID SCHEDULE F				**$ 108,411.56**		**$ 233,250.00**		**$ 165,125.00**		**$ 146,268.00**		**$ 160,125.00**

Bid Schedule G

No.	Description	Quantity	Unit	Unit Price	EE	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
G-1	Main Street Sewer Lift Station Improvements	1	LS	$ 80,031.25	$ 80,031.25	$ 300,000.00	$ 300,000.00	$ 115,000.00	$ 115,000.00	$ 290,054.00	$ 290,054.00	$ 305,000.00	$ 305,000.00
	TOTAL ALTERNATE BID SCHEDULE G				**$ 80,031.25**		**$ 300,000.00**		**$ 115,000.00**		**$ 290,054.00**		**$ 305,000.00**

Bid Schedule H

No.	Description	Quantity	Unit	Unit Price	EE	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
H-1	8-Inch Open-Trench RW Main Extension, AC Pavement Surface Restoration	150	LF	$ 277.03	$ 41,554.69	$ 275.00	$ 41,250.00	$ 300.00	$ 45,000.00	$ 508.00	$ 76,200.00	$ 700.00	$ 105,000.00
	TOTAL ALTERNATE BID SCHEDULE H				**$ 41,554.69**		**$ 41,250.00**		**$ 45,000.00**		**$ 76,200.00**		**$ 105,000.00**

Attachment 2

Contract Documents

Recycled Water Expansion Project

Mendocino City Community Services District

November 06, 2026



BID PROPOSAL

Recycled Water Expansion Project

Bidder's Name: Ghilotti Construction Company, Inc.

TO MENDOCINO CITY COMMUNITY SERVICES DISTRICT (the "DISTRICT" or "OWNER"):

In accordance with District's Notice Inviting Bids, the undersigned Bidder hereby proposes to furnish all materials, equipment, tools, labor, and incidentals required for the above stated project as set forth in the Contract Documents, and to perform all work in the manner and time prescribed.

Bidder declares that this proposal is based upon careful examination of the work site, Project Plans, and other Contract Documents, including the Notice Inviting Bids, this Proposal, the Contract, Special Provisions or Conditions, Technical Provisions, General Conditions, Appendices, and Standard Plans & Specifications. If this proposal is accepted for award, Bidder agrees to enter into a contract with the District at the unit and/or lump sum prices set forth in the following Bid Schedule. Bidder understands that failure to enter into a contract in the manner and time prescribed will result in forfeiture to the District of the Bid Security accompanying this proposal.

Bidder understands that a bid is required for the entire work, that the estimated quantities set forth in the Bid Schedules are solely for the purpose of comparing bids, and that final compensation under the contract will be based upon the actual quantities of work satisfactorily completed. It is agreed that the unit and/or lump sum prices bid include all appurtenant expenses, federal, state and local taxes, royalties, and fees. In the case of discrepancies in the amounts bid, unit prices shall govern over extended amounts.

Bidder agrees and acknowledges that it is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and that the Bidder will comply with such provisions of that code before commencing the performance of this Contract if awarded it.

Bidder certifies to be properly licensed by the State of California as a contractor to perform work of this specialty. The undersigned agrees to furnish the District satisfactory proof of ability to perform the work, as well as records of performance of similar jobs completed recently, if and when requested to do so by the Project Manager.

Bidder agrees that the applicable insurance and bonding requirements can and will be fulfilled.

Bidder declares that the only persons or parties interested in this proposal as principals are those named herein; that no officer, agent, or employee of the District is personally interested, directly or indirectly, in this proposal; that this proposal is made without connection to any other individual, firm, or corporation making a bid for the same work; and that this proposal is in all respects fair and without collusion or fraud.

Bidder certifies that in all previous contracts or subcontracts, all reports which may have been due under the requirements of any District, State, or Federal equal employment opportunity orders have been satisfactorily filed, and that no such reports are currently outstanding.

Bidder certifies to have verified that it and all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Bidder shall provide proof of registration for both itself and all subcontractors to the District.

Bidder agrees that it and all subcontractors used on the public work project shall furnish payroll records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.

Bidder certifies that it and all subcontractors used on this public work project are in compliance with California Air Resources Board's In-Use Off-Road Diesel-Fueled Fleets Regulations (Cal. Code Regs., title 13, section 2449), and Bidder shall provide a valid Certificate of Reported Compliance for Bidder's own fleet and for any subcontractors' fleet, unless exempt from the regulations.

Bidder shall guarantee all work for a period of one year from project acceptance.

Bidder has carefully checked all of the figures in the Bid Schedule and understands that the District shall not be responsible for any errors or omissions on Bidder's part in making up this bid. Bidder agrees that this bid may not be withdrawn for a period of sixty (60) calendar days from the date of the bid opening and that the District reserves the right to reject any or all bids, waive any informality in bids received, and may at its option make the award that in the judgment of the District is to the best interest of the District.

The following documents have been completed and executed, and are made a part of this Contract by reference:

- ❑ DEPARTMENT OF INDUSTRIAL RELATIONS REGISTRATION
- ❑ DEBARMENT CERTIFICATION
- ❑ OFF ROAD REGULATIONS ASSURANCES
- ❑ BID SCHEDULE
- ❑ ADDENDA ACKNOWLEDGEMENT
- ❑ NON-COLLUSION AFFIDAVIT
- ❑ DESIGNATION OF SUBCONTRACTORS
- ❑ CONTRACTOR LICENSE INFORMATION
- ❑ BIDDER RESPONSIBILITY STATEMENT
- ❑ BIDDER'S SIGNATURE PAGE
- ❑ BIDDER'S BOND

DEPARTMENT OF INDUSTRIAL RELATIONS REGISTRATION

Recycled Water Expansion Project

The District has the obligation to report this contract to the Department of Industrial Relations ("DIR") and provide various information including that specified below. For the purposes of this document, you are referred to as "Contractor." In addition to filling out this form for the District, you have the obligation to submit certified payroll records directly to DIR.

Contractor Name:	Ghilotti Construction Company, Inc.		
Contractor Mailing Address:	246 Ghilotti Avenue, Santa Rosa, CA 95407		
Contractor E-mail Address:	tom@ghilotti.com		
Contractor Telephone:	(707) 585-1221		
Contractor License Number:	644515		
DIR Registration Number:	1000003044		
Classification(s) or type(s) of workers that will be employed by the contractor for this project:	OPERATING ENGINEERS LABORERS CEMENT MASONS CARPENTERS TEAMSTERS		
Subcontractors:	License Number:	DIR Number:	Worker Classifications:
Mike Brown Electric Co.	306767	1000000469	laborers, operators
Neary landscape Inc.	814207	1000002998	laborers
Striping graphics	576796	1000006495	laborers

I certify that the information set forth above is correct and that I am authorized to provide this information on behalf of the contractor named in the first line above.

(Signature) Date: 11/23/26

Thomas Smith, Vice President of Estimating

(Printed Name)

DEPARTMENT OF INDUSTRIAL RELATIONS REGISTRATION

Recycled Water Expansion Project

The District has the obligation to report this contract to the Department of Industrial Relations ("DIR") and provide various information including that specified below. For the purposes of this document, you are referred to as "Contractor." In addition to filling out this form for the District, you have the obligation to submit certified payroll records directly to DIR.

Contractor Name:	Ghilotti Construction Company, Inc.		
Contractor Mailing Address:	246 Ghilotti Avenue, Santa Rosa, CA 95407		
Contractor E-mail Address:	tom@ghilotti.com		
Contractor Telephone:	(707) 585-1221		
Contractor License Number:	644515		
DIR Registration Number:	1000003044		
Classification(s) or type(s) of workers that will be employed by the contractor for this project:	OPERATING ENGINEERS LABORERS CEMENT MASONS CARPENTERS TEAMSTERS		
Subcontractors:	License Number:	DIR Number:	Worker Classifications:

I certify that the information set forth above is correct and that I am authorized to provide this information on behalf of the contractor named in the first line above.

(Signature) Date: 11/23/26

Thomas Smith, Vice President of Estimating

(Printed Name)

DEBARMENT CERTIFICATION

Recycled Water Expansion Project

By submitting its bid, Bidder certifies, in accordance with California Public Contract Code section 6109, that neither the Bidder nor any subcontractor included on the list of proposed subcontractors submitted with the bid is ineligible to perform work on public works projects pursuant to California Labor Code sections 1777.1 or 1777.7. In accordance with California Public Contract Code section 6109, contractors and subcontractors who are ineligible to perform work on public works projects pursuant to California Labor Code sections 1777.1 or 1777.7 may neither bid on, be awarded, or perform as a subcontractor on public works projects.

CONTRACTOR OFF-ROAD REGULATION ASSURANCES

The District requires that all work done on its property or otherwise on behalf of the District is performed in accordance with the State's environmental health and safety laws, codes and regulations. To this end, please check the appropriate boxes and provide information as required below related to compliance with California Air Resources Board (CARB) Off-Road Diesel-Fueled Fleets Regulations. The District will not approve this Contract until this form has been completed. This form must be updated annually or anytime changes occur. Contractor agrees to provide the District with any documents referenced below within one business day of the request. Information on these Regulations is available here: https://ww2.arb.ca.gov/our-work/programs/use-road-diesel-fueled-fleets-regulation

Contractor Name: Ghilotti Construction Company, Inc.

In the performance of this Contract, does Contractor propose to use vehicles subject to 13 CCR 2449, the In-Use Off-Road Diesel-Fueled Fleets Regulation?

YES ☑ **NO** ☐

If the answer in above is **NO**, Contractor does not need to check any boxes for items 1, 2, and 3 below and no further information is required.

If the answer above is **YES:**

A. Contractor must check YES or N/A, as applicable, for items 1, 2, and 3 below.

B. If no exemption from these Regulation requirements applies, Contractor must provide to the Agency: (1) a valid Certificate of Reported Compliance for its fleet, and (2) valid Certificates of Reported Compliance for fleets of any subcontractors.

C. If an exemption from these Regulation requirements does apply, Contractor must provide the Agency with detailed documentation identifying the exemption and supporting the applicability of the exemption.

D. If Contractor asserts that the emergency operations exemption applies, Contractor must provide: (1) a description of the emergency, (2) the address or description of the specific location where Contractor performed work to address the emergency, (3) the dates on which the emergency work was performed, and (4) an attestation by the Contractor that the vehicles operated on the project were only used to carry out emergency work.

Please respond YES or N/A for each item below.	**YES**	**N/A**	
1. Contractor has provided the Agency with a copy of a valid Certificate of Reported Compliance for Contractor's own fleet.	X	☐	(check N/A if exemption applies)
2. Contractor has provided the Agency with a copy of a valid Certificate of Reported Compliance for any subcontractors' fleet.	X	☐	(check N/A if exemption applies or there are no subcontractors)
3. Contractor has provided the Agency with documentation supporting a claimed exemption to the Off-Road Regulation.	X	☐	(check N/A if no exemption applies)



California Environmental Protection Agency

Air Resources Board

January 1, 2026

CERTIFICATE OF REPORTED COMPLIANCE
OFF-ROAD DIESEL VEHICLE REGULATION

is issued to

GHILOTTI CONSTRUCTION COMPANY INC.

This certificate indicates that the fleet listed above has reported off-road diesel vehicles to the California Air Resources Board and has certified they are in compliance with title 13 CCR, section 2449. All applicable vehicles owned by the individual, company, or agency must be reported and labeled, as specified in Section 2449, with all possible completeness, else this certificate is null and void. **Certificate expires 2/28/2027**

Michelle Buffington

Michelle Buffington
Chief, Mobile Source Control Division
California Air Resources Board

Off-road Diesel Fleet Identification

1548

To verify the authenticity of this certificate, enter this number at
http://www.arb.ca.gov/doors/compliance_cert1.html



California Environmental Protection Agency

Air Resources Board

January 1, 2026

CERTIFICATE OF REPORTED COMPLIANCE
OFF-ROAD DIESEL VEHICLE REGULATION

is issued to

GCC EQUIPMENT COMPANY

This certificate indicates that the fleet listed above has reported off-road diesel vehicles to the California Air Resources Board and has certified they are in compliance with title 13 CCR, section 2449. All applicable vehicles owned by the individual, company, or agency must be reported and labeled, as specified in Section 2449, with all possible completeness, else this certificate is null and void. **Certificate expires 2/28/2027**

Michelle Buffington

Michelle Buffington
Chief, Mobile Source Control Division
California Air Resources Board

Off-road Diesel Fleet Identification

17888

To verify the authenticity of this certificate, enter this number at
http://www.arb.ca.gov/doors/compliance_cert1.html

California Environmental Protection Agency

Air Resources Board

January 1, 2026

CERTIFICATE OF REPORTED COMPLIANCE
OFF-ROAD DIESEL VEHICLE REGULATION

is issued to

NEARY LANDSCAPE INC.

This certificate indicates that the fleet listed above has reported off-road diesel vehicles to the California Air Resources Board and has certified they are in compliance with title 13 CCR, section 2449. All applicable vehicles owned by the individual, company, or agency must be reported and labeled, as specified in Section 2449, with all possible completeness, else this certificate is null and void. **Certificate expires 2/28/2027**

Michelle Buffington

Michelle Buffington
Chief, Mobile Source Control Division
California Air Resources Board

Off-road Diesel Fleet Identification

237480

To verify the authenticity of this certificate, enter this number at
http://www.arb.ca.gov/doors/compliance_cert1.html



California Environmental Protection Agency

Air Resources Board

January 1, 2026

CERTIFICATE OF REPORTED COMPLIANCE
OFF-ROAD DIESEL VEHICLE REGULATION

is issued to

MIKE BROWN ELECTRIC CO

This certificate indicates that the fleet listed above has reported off-road diesel vehicles to the California Air Resources Board and has certified they are in compliance with title 13 CCR, section 2449. All applicable vehicles owned by the individual, company, or agency must be reported and labeled, as specified in Section 2449, with all possible completeness, else this certificate is null and void. **Certificate expires 2/28/2027**

Michelle Buffington

Michelle Buffington
Chief, Mobile Source Control Division
California Air Resources Board

Off-road Diesel Fleet Identification

4519

To verify the authenticity of this certificate, enter this number at
http://www.arb.ca.gov/doors/compliance_cert1.html

STRIPING GRAPHICS

From: Guido Metzler
To: Annette Conley
Subject: RE: Amarosa Academy - CARB Cert needed!
Date: Tuesday, March 10, 2026 12:56:56 PM

Hi Annette,

We do not use off-road diesel fuel or equipment

From: Annette Conley <annette@ghilotti.com>
Sent: Tuesday, March 10, 2026 12:48 PM
To: Guido Metzler <Guido@stripinggraphics.com>
Subject: RE: Amarosa Academy - CARB Cert needed!
Importance: High

Hi Guido,

Can you please forward a copy of your current CARB Certificate? It is due with this bid today at 2pm...per the owner.

Thank you!

Annette Conley
Ghilotti Construction

From: Guido Metzler <Guido@stripinggraphics.com>
Sent: Tuesday, March 10, 2026 9:52 AM
To: Annette Conley <annette@ghilotti.com>
Subject: Amarosa Academy

Signing & Striping

SCHEDULE OF BID PRICES
Recycled Water Project

Basis of Bid

A. For the determination of the apparent low Bidder, the total amount for each Bid shall be the sum of the Base Bid Schedules A through E. The low Bidder shall be that which results in the lowest total amount for all the Work in Base Bid Schedules A through E.
B. Owner may award all Base Bid Schedules A through E.
C. Owner may award some or all of Additive Bid Schedules F through H.

Base Bid – Schedule A: Recycled Water Expansion

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
A-1	Mobilization and Demobilization (5% of Construction Subtotal)	LS	1	60000	60000
A-2	Water Pollution Control (1% of Construction Subtotal)	LS	1	10000	10000
A-3	Temporary Traffic Control (3% of Construction Subtotal)	LS	1	30000	30000
A-4	Trench Sheeting, Shoring and Bracing (Recycled Water, 3% of RW Pipe)	LS	1	11000	11000
A-5	8-Inch Open-Trench RW Main, AC Pavement Surface Restoration	LF	3,330	200	666000
A-6	2-Inch Open-Trench RW Service, AC Pavement Surface Restoration	LF	140	275	38500
A-7	1-Inch Open-Trench RW Service, AC Pavement Surface Restoration	LF	100	225	22500
A-8	2-Inch Meter and Backflow Assembly	EA	5	12000	60000
A-9	1-Inch Meter and Backflow Assembly	EA	2	7250	14500
A-10	8-Inch Gate Valve	EA	8	4000	32000
A-11	Permanent Blowoff	EA	3	4000	12000
A-12	1-Inch Air Release/Vacuum Valve	EA	2	12500	25000
A-13	Fire Hydrant (elbow, thrust block, riser pipe, break-off CV/flange, hydrant)	EA	5	12000	60000

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
A-14	Ford House Public Restrooms Plumbing Retrofit	LS	1	4500	4500
A-15	Utility Conflict Resolution	FA	10	$6,000.00	$60,000.00
TOTAL BASE BID SCHEDULE A AMOUNT $ one million, one hundred six thousand (in words)					$1106000 (in figures)

Base Bid – Schedule B: MCCSD Property Irrigation System

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
B-1	MCCSD Property Irrigation System	LS	1	80200	80200
B-2	MCCSD Property Irrigation Controller	LS	1	8200	8200
B-3	MCCSD Property PG&E Service	LS	1	18000	18000
TOTAL BASE BID SCHEDULE B AMOUNT $ one hundred six thousand, four hundred (in words)					$106400 (in figures)

Base Bid – Schedule C: Hillcrest Cemetery Irrigation System

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
C-1	Hillcrest Irrigation System	LS	1	41400	41400
TOTAL BASE BID SCHEDULE C AMOUNT $ Forty - one thousand four hunared (in words)					$41400 (in figures)

Base Bid – Schedule D: Heider Field Irrigation System

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
D-1	Heider Field Irrigation System	LS	1	65200	65200
D-2	Heider Field Irrigation Controller	LS	1	8200	8200
D-3	Heider Field PG&E Service	LS	1	35000	35000
TOTAL BASE BID SCHEDULE D AMOUNT $ one hundred eight thousand four hundred (in words)					$ 108400 (in figures)

Base Bid – Schedule E: Evergreen Cemetery Irrigation System

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
E-1	Evergreen Cemetery Irrigation System	LS	1	52150	52150
TOTAL BASE BID SCHEDULE E AMOUNT $ Fifty - two thousand one hunared fifty (in words)					$ 52150 (in figures)

BASE BID SUMMARY

TOTAL BASE BID SCHEDULE A AMOUNT $ one million, one hundred six thousand (in words)	$1106000 (in figures)
TOTAL BASE BID SCHEDULE B AMOUNT $ one hundred six thousand, four hundred (in words)	$106400 (in figures)
TOTAL BASE BID SCHEDULE C AMOUNT $ Forty-one thousand four hundred (in words)	$41400 (in figures)
TOTAL BASE BID SCHEDULE D AMOUNT $ one hundred eight thousand four hundred (in words)	$108400 (in figures)
TOTAL BASE BID SCHEDULE E AMOUNT $ Fifty-two thousand, one hundred fifty (in words)	$52150 (in figures)
TOTAL BASE BID AMOUNT $ one million, four hundred fourteen thousand, three hundred fifty **(in words)**	$1414350 **(in figures)**

Additive Bid – Schedule F: Evergreen Street Sewer Main Replacement

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
F-1	Trench Sheeting, Shoring and Bracing	LS	1	33000 ~~33,000~~ TS	33000
F-2	Open-Trench 6-inch Sewer Main	LF	285	500	142500
F-3	48-Inch Sewer Manhole	EA	2	9500	19000
F-4	Connect Sewer Lateral	EA	7	5000	35000
F-5	Provide 2-Way Cleanout	EA	5	750	3750
TOTAL BASE BID SCHEDULE F AMOUNT					
$ Two hundred thirty-three thousand two hundred fifty (in words)					$ 233250 (in figures)

Additive Bid – Schedule G: Main Street Sewer Lift Station Improvements

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
G-1	Main Street Sewer Lift Station Improvements	LS	1	300 000	300 000
TOTAL BASE BID SCHEDULE G AMOUNT					
$ Three hundred thousand (in words)					$ 300000 (in figures)

Additive Bid – Schedule H: Main Street Recycled Water Extension

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
H-1	8-Inch Open-Trench RW Main Extension, AC Pavement Surface Restoration	LF	150	275	41250
TOTAL ALTERNATE BID SCHEDULE H AMOUNT					
$ Forty-one thousand two hundred fifty (in words)					$ 41250 (in figures)

CONDITIONS FOR SCHEDULE OF BID PRICES

In case of discrepancy between prices and totals, the unit prices will prevail.

It is understood and agreed that the quantities of work under each item are approximate only, being given for a basis of comparison of proposals, and the right is reserved to the District to increase or decrease the amount of work under any item as may be required, in accordance with provisions set forth in the specifications for this project.

It is further understood and agreed that the total amount of money set forth for each item of work or as the total amount bid for the project does not constitute an agreement to pay a lump sum for the work unless it specifically so states.

Bidder acknowledges receipt of the following addenda:

1, 2, 2R, 3.

Bidder has reflected any changes in the addenda in this Proposal.

NON-COLLUSION AFFIDAVIT (Public Contract Code sec. 7106)

Recycled Water Expansion Project

To be Executed by Bidder and Submitted with Bid

State of California
County of Sonoma

The undersigned declares:

I am the VP of Estimating [title] of Ghilotti Construction Company, Inc. [bidding entity], 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 they have 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 11/23/26 [date], at Santa Rosa, [city], CA [state].

Signature

Thomas Smith
Name

Vice President of Estimating
Title and Company

DESIGNATION OF SUBCONTRACTORS

Recycled Water Expansion Project

The undersigned is required to fill in the following blanks in accordance with the provisions of California Public Contract Code section 4104.

Sub-Contractor Name	License Number	DIR Registration Number	Location of the Place of Business	Specific Description of Subcontract Work	$ Amount of the Sub-Contractor Work
Mike Brown Electric Co.	306767	1000000469	Cotati, CA	ELECTRICAL	47900
Neary landscape Inc.	814207	1000002998	Cotati, CA	LANDSCAPING	255350

Subcontractors listed herein must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work. The undersigned agrees to furnish proof that all contractors and subcontractors performing any work related to this improvement are complying with all the requirements of Social Security Legislation, both State and Federal, and also agrees to conform with the provisions of sections 4100 to 4113, inclusive, of the Public Contract Code, as amended, concerning subcontractors and subcontracts.

DESIGNATION OF SUBCONTRACTORS

Recycled Water Expansion Project

The undersigned is required to fill in the following blanks in accordance with the provisions of California Public Contract Code section 4104.

Sub-Contractor Name	License Number	DIR Registration Number	Location of the Place of Business	Specific Description of Subcontract Work	$ Amount of the Sub-Contractor Work
striping graphics	576756	1000006495	Cotati, CA	STRIPING	18000

Subcontractors listed herein must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work. The undersigned agrees to furnish proof that all contractors and subcontractors performing any work related to this improvement are complying with all the requirements of Social Security Legislation, both State and Federal, and also agrees to conform with the provisions of sections 4100 to 4113, inclusive, of the Public Contract Code, as amended, concerning subcontractors and subcontracts.

DESIGNATION OF SUBCONTRACTORS

Recycled Water Expansion Project

The undersigned is required to fill in the following blanks in accordance with the provisions of California Public Contract Code section 4104.

Sub-Contractor Name	License Number	DIR Registration Number	Location of the Place of Business	Specific Description of Subcontract Work	$ Amount of the Sub-Contractor Work

Subcontractors listed herein must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work. The undersigned agrees to furnish proof that all contractors and subcontractors performing any work related to this improvement are complying with all the requirements of Social Security Legislation, both State and Federal, and also agrees to conform with the provisions of sections 4100 to 4113, inclusive, of the Public Contract Code, as amended, concerning subcontractors and subcontracts.

CONTRACTOR LICENSE INFORMATION

Recycled Water Expansion Project

The bidder acknowledges that the appropriate license is required for performance of this Work.

The bidder holds the following California Contractors License(s):

A, C8, C12, C21, C42, HAZ

1. License No. 644515, Class _____, Expiration Date 5/31/28
2. License No. _____, Class _____, Expiration Date _____
3. License No. _____, Class _____, Expiration Date _____
4. License No. _____, Class _____, Expiration Date _____
5. License No. _____, Class _____, Expiration Date _____

Bidder's Taxpayer Identification No.

68-0273222

BIDDER'S RESPONSIBILITY STATEMENT

Recycled Water Expansion Project

1. SCOPE OF THIS STATEMENT

To allow the District to evaluate the Bidder's responsibility, the Bidder shall provide the following information as a part of its Bid. The District shall consider the information contained in this Statement as personal and proprietary to the Bidder, and the District shall use the information for the sole purpose of determining the Bidder's responsibility. Unless otherwise compelled by a court order, the District shall not consider this Statement to be a public record; provided, however, that the Bidder shall indemnify, defend, and hold the District harmless from any claim or litigation related to the District's classification of this document as exempt from disclosure under the Public Records Act. If additional pages are required to respond to any of the questions set forth in this Statement, the Bidder shall describe and list the additional pages in Section 7, below.

2. EXPERIENCE

a. How many years has the Bidder been performing work as a contractor under the present business name?

34 years.

b. Prospective bidders shall demonstrate a minimum of 5 years of experience in constructing projects of a similar size and nature.

c. If any of the experience listed in this document refers to work performed under a different name, list the different business names, and describe the relationship to the present business name on a separate page (list the additional pages in Section 7 below).

3. COMPLETED WORK / REFERENCES

Provide the requested information set forth below for at least two (2) most recent projects of similar size and scope completed during the past three (3) years.

a. Project Name: See attached

Project Description: _____

_____

Contract Amount: _____

Date Completed: _____

Contact Person: _____

Contact Person's Phone: _____

b. Project Name: _____

Project Description: _____

_____

Contract Amount: _____

Date Completed: _____

Contact Person: _____

Contact Person's Phone: _____

4. CLAIMS HISTORY

a. Has any claim (whether mediated, arbitrated, or litigated) been made against your company in the past five years? No

b. Has your company made any claim (whether mediated, arbitrated, or litigated) against any Public Agency or claim in the past five years? No

c. If you answered "yes" to subsections 4.a. or 4.b. above, describe the claim(s) using the format below: (use additional sheets if necessary).

Project Name: N/A

Claim Amount: _____

Other Party Contact: _____

Name and Phone: _____
Describe the claim(s) on a separate sheet (see Section 8, below).

5. CONTRACT TERMINATION

Has your company ever been terminated by a public agency or client, or rejected from bidding on a public works project in the last five (5) years? No. If yes, provide an explanation below:

Project Name: _____

Agency/Client Contact
Name and Phone: _____

Date of Termination/Rejection: _____

Explanation: _____

_____

_____

If more than one (1), describe on additional sheet (see Section 7 below).

6. COMPLETION BY SURETY

Has your company every failed to satisfactorily complete a construction contract, or has a surety ever completed any portion of a construction contract of your company within the last five (5) years? No. If yes, provide an explanation below:

Project Name: _____

Surety Contact
Name and Phone: _____

Date of Surety Took Over: _____

Explanation: _____

_____

_____

If more than one (1), describe on additional sheet (see Section 7, below).

7. ADDITIONAL PAGES

The Bidder declares that the pages listed in this Subsection were added and included with these Bid Documents to accurately respond to the Bidding Requirements.

_____ (List Pages)

8. PENALTY OF PERJURY

Bidder hereby declares and certifies under penalty of perjury that the information contained herein is true, correct, and complete.

IN WITNESS WHEREOF, the undersigned represent and warrant that they have the right, power, legal capacity and authority to sign this document on behalf of the Bidder, and have caused this document to be executed by setting hereto their names, titles, and signatures.

BIDDER: _____
Signature(s)

DATE: 11/23/26

Thomas Smith, Vice President of Estimating

(Name and Title of Signatories)

Ghilotti Construction Company, Inc.

(Legal Name of Bidder)

246 Ghilotti Avenue, Santa Rosa, CA 95407

(Address)

(707) 585-1221

(Phone Number)

Ghilotti Construction Company
246 Ghilotti Avenue ▪ Santa Rosa, CA 95407
PHONE 707/585-1221

LARGE DIAMETER PIPE
PREVIOUS SIMILAR EXPERIENCE

JOB # / PROJECT	#6200 – WASTEWATER TREATMENT IMPROVEMENTS & RECYCLED WATER SYSTEM
CONTRACT #	N/A
LOCATION	10500 KELLY STREET, MENDOCINO, CA
OWNER	MENDOCINO CITY COMMUNITY SERVICES DISTRICT
CONTACT	MATT KENNEDY (GHD) (707) 540-3376
SCOPE	UPGRADE THE EXISTING WASTEWATER TREATMENT PLANT AND CONSTRUCTE A RECYCLED WATER DISTRIBUTION SYSTEM INCLUDING NEW RECYCLED WATER PIPELINES, FIRE HYDRANTS, IRRIGATION INFRASTRUCTURE, A 250,000-GALLON RECYCLED WATER STORAGE TANK, PUMPING AND DISINFECTION FACILITIES, BIOLOGICAL NUTRIENT REMOVAL PROCESS UPGRADES, AERATION SYSTEM IMPROVEMENTS, CHLORINE GENERATION FACILITIES, EQUALIZATION BASIN REHABILITATION, SEWER MAIN AND MANHOLE REPLACEMENT.
WORKING DAYS	195
COMPLETION	FEBRUARY 2027
CONTRACT AMT.	$9,218,230.00

JOB # / PROJECT	#2080 – TODD ROAD WELL ACTIVATION (EMERGENCY WORK)
CONTRACT #	#60-61-7 #1
LOCATION	4040 TODD ROAD, SANTA ROSA, CA
OWNER	SONOMA COUNTY WATER AGENCY
CONTACT	MIKE WEST (707) 524-1178
SCOPE	PROVIDE 150 FT OF 36-INCH DIAMETER FUSED PVC AND ASSOCIATED FITTINGS, RESTRIANTS AND EQUIPMENT FROM TODD ROAD WELL TO THE MAIN PIPELINE. DISPOSE OF EXCAVATED MATERIAL, RESTORE DISTURBED AREAS, PROVIDE TESTING, STEEL PLATES FOR THE NEW PIPE AND TRAFFIC CONTROL.
WORKING DAYS	30 CD
COMPLETION	JULY 2021
CONTRACT AMT.	$501,107.00

JOB # / PROJECT	#6023 – SEBASTOPOL ROAD EMERGENCY WELL ACTIVATION
CONTRACT #	#60-61-7 #3
LOCATION	5590 SEBASTOPOL ROAD (HWY 12) IN SEBASTOPOL, CA
OWNER	SONOMA COUNTY WATER AGENCY
CONTACT	MIKE WEST (707) 524-1178
SCOPE	INSTALL 36-INCH FUSED PVC CLORINE CONTACT PIPING AND TAP, AND CONNECT 12-INCH DIP DISCHARGE PIPE TO THE CITY OF SANTA ROSA'S 42-INCH RECYCLED WATER MAIN. DISPOSE OF EXCAVATED MATERIAL, RESTORE DISTURBED AREAS, PROVIDE TESTING, STEEL PLATES FOR THE NEW PIPE AND TRAFFIC CONTROL.
WORKING DAYS	150 CD
COMPLETION	NOVEMBER 2023
CONTRACT AMT.	$516,572.00

JOB # / PROJECT	#2008 – COTATI AQUEDUCT CORROSION REPAIR
CONTRACT #	#60-64-7 #6
LOCATION	7945 RIVER ROAD, FORESTVILLE, CA
OWNER	SONOMA COUNTY WATER AGENCY
CONTACT	MIKE WEST (707) 524-1178
SCOPE	REMOVE AND REPLACE 20 LF OF 36-INCH WSP AND 24-INCH PVC BYPASS, CONSTRUCT GALVANIC ANODE SYSTEM, CONSTRUCT CATHODIC TEST STATION UPSTREAM AND DOWNSTREAM OF VAULT.
WORKING DAYS	30 CD
COMPLETION	MARCH 2021
CONTRACT AMT.	$234,174.00

JOB # / PROJECT	#6034 – SANTA ROSA PAVEMENT REHABILITATION ON VARIOUS STREETS
CONTRACT #	#C02089 / FED AID #STPL-5028(085)
PROJECT DIR #	#440549
LOCATION	VARIOUS STREETS INCLUDING HEARN AVENUE (INCLUDING INTERSECTIONS AT FOLLOWING CROSS STREETS: ARROWHEAD, SILVER SPUR, WESTLAND, WESTWOOD, DUTTON & BICENTENNIAL), AND RANGE AVENUE (INCLUDING INTERSECTIONS AT FOLLOWING CROSS STREETS: BICENTENNIAL, RANGE, EDWARDS, JENNINGS) SANTA ROSA, CA
OWNER	CITY OF SANTA ROSA
CONTACT	DANNY CHEN E-MAIL: dchen@srcity.org
SCOPE	TRAFFIC CONTROL, WATER POLLUTION CONTROL, LOWER MANHOLE/CLEANOUT FRAMES/WATER VALVE BOXES/MONUMENT COVERS, ADJ MANHOLE FRAMES / CLEANOUT / WATER VALVE BOXES / STORM DRAIN MANHOLE FRAMES / MONUMENTS TO GRADE, SUBGRADE STABILIZATION (4"), MILLING VARIOUS DEPTHS, SOIL STABILIZATION FABRIC, PAVEMENT GRID, AC SURFACE, AC BASE, GRINDING, SIGNS, CURB & GUTTER, SIDEWALK, CURB RAMP, THERMOPLASTIC STRIPING, MARKERS, CHANNELIZERS, REPLACE TRAFFIC LOOP DETECTOR & INSTALL DETECTOR HANDHOLE
WORKING DAYS	65 WD
COMPLETION	11/2023
CONTRACT AMT.	$2,655,597.99

GHILOTTI CONSTRUCTION COMPANY

COMPLETED UNDERGROUND PROJECTS (LAST 5 YEARS)

11/20/2026

Type of Work	Project Name / Location	For Whom Performed	Value	Job #	Est. Completion Date
UNDERGROUND	MADISON AVE VALVE BOX ADJUSTMENTS (Sacramento County)	CITRUS HEIGHTS WATER DISTRICT 6230 SYLVAN ROAD CITRUS HEIGHTS, CA 95610 CONTACT: LUIS ZAMUDIO PH: (916) 735-7717 E-MAIL: lzamudio@chwd.org	$84,359.50	6198	8/26
UNDERGROUND	NOVA OFFSITE UTILITIES (Napa County)	NOVA BUSINESS PARK, LLC 185 DEVLIN ROAD NAPA, CA 94558 CONTACT: RON FEDRICK PH (707) 265-1142 E-MAIL: rfedrick@novabpllc.com	$1,342,177.50	6169	4/26
UNDERGROUND	FAIRGROUNDS STORM DRAIN (Ukiah)	CITY OF UKIAH 300 SEMINARY AVENUE UKIAH, CA 95482 CONTACT: ANDREW STRICKLIN PH: 707/463-6297 E-MAIL: astricklin@cityofukiah.com	$591,204.00	6168	2/26
UNDERGROUND	AQPI C-BAND RADAR (Marin County	SONOMA COUNTY WATER AGENCY 404 AVIATION BLVD. SANTA ROSA, CA 95403 CONTACT: DALE ROBERTS PH: (707) 547-1900 E-MAIL: dale.roberts@scwa.ca.gov	$515,860.00	6144	5/26
UNDERGROUND	PRESIDIO TRUST - STOREY AVE UTILITY UPGRADE (San Francisco)	WEBCOR CONSTRUCTION, LP dba WEBCOR BUILDERS 2320 BLANDING AVE, STE 200 ALAMEDA, CA 94501 CONTACT: TED WILLIAMS PH: 540-346-6058 E-MAIL: tedw@webcor.com	$2,765,136.00	6131	3/26
UNDERGROUND	2024 WATER AND SEWER MAIN REPLACEMENT (Lakeport)	CITY OF LAKEPORT 225 PARK STREET LAKEPORT, CA 95453 CONTACT: OLIVIA GRUPP, P.M. PH: 707-972-6989 E-MAIL: ogrupp@cityoflakeport.com	$8,042,049.00	6104	1/26
UNDERGROUND	URBAN CORE REHABILITATION (Ukiah)	CITY OF UKIAH 300 SEMINARY AVENUE UKIAH, CA 95482 CONTACT: MARY HORGER PH: 707/463-6233 FX: 707/313-3621 E-MAIL: mhorger@cityofukiah.com	$11,943,936.75	6095	5/26
UNDERGROUND	RECYCLED WATER PROJECT PHASE 4 (Ukiah)	CITY OF UKIAH 300 SEMINARY AVENUE UKIAH, CA 95482 CONTACT: MARY HORGER PH: 707/463-6233 FX: 707/313-3621 E-MAIL: mhorger@cityofukiah.com	$45,942,805.00	6071	1/26
UNDERGROUND	BINFORD ROAD SELF STORAGE WATER LINE (Novato)	TREVOR HAM PH: 415-328-3014 E-MAIL: trevor415@gmail.com	$357,220.00	6052	1/24

UNDERGROUND	**NORTH STATE STREET 8" GRAVITY SEWER LINE (Ukiah)**	CITY OF UKIAH 300 SEMINARY AVENUE UKIAH, CA 95482 CONTACT: MARY HORGER PH: 707/463-6233 FX: 707/313-3621 E-MAIL: mhorger@cityofukiah.com	$225,715.00	**6042**	**2/23**
UNDERGROUND	**EMERGENCY FORCE MAIN REPLACEMENT - ORCHARD AVENUE (GUERNEVILLE)**	RUSSIAN RIVER COUNTY SANITATION DISTRICT (RRCSD) 404 AVIATION BLVD SANTA ROSA, CA 95403 CONTACT: GRETCHEN MARTINEZ PH: 707/528-5370 E-MAIL: gretchen.martinez@scwa.ca.gov	T & M NTE $1,370,400.00	**6037**	**1/23**
UNDERGROUND	**EMERGENCY SEBASTOPOL ROAD WELL ACTIVATION (Santa Rosa)**	SONOMA COUNTY WATER AGENCY 404 AVIATION BLVD SANTA ROSA, CA 95403 CONTACT: GRETCHEN MARTINEZ PH: 707/528-5370 E-MAIL: gretchen.martinez@scwa.ca.gov	T & M NTE $1,000,000.00	**6023**	**7/23**
UNDERGROUND	**DORA STREET UTILITY IMPROVEMENT PROJECT (Ukiah)**	CITY OF UKIAH 300 SEMINARY AVENUE UKIAH, CA 95482 CONTACT: MARY HORGER PH: 707/463-6233 FX: 707/313-3621 E-MAIL: mhorger@cityofukiah.com	$4,376,766.45	**6019**	**5/23**
UNDERGROUND	**NORTH TEXAS STREET WATER MAIN REPLACEMENT & OVERLAY (Fairfield)**	CITY OF FAIRFIELD 1000 WEBSTER STREET FAIRFIELD, CA 94533 CONTACT: DAVID VONG PH: 707/428-7784 e-mail: dvong@fairfield.ca.gov	$7,131,731.00	**6004**	**7/23**
UNDERGROUND	**2021 SEWER MAIN REHABILITATION PROJECT (Lakeport)**	CITY OF LAKEPORT 225 PARK STREET LAKEPORT, CA 95453 CONTACT: OLIVIA GRUPP PH: 707/263-5615 X 406 E-MAIL: ogrupp@cityoflakeport.com	$650,316.00	**5976**	**11/21**
UNDERGROUND	**ST. HELENA RD EMERGENCY CULVERT REPLACEMENT (2020 GLASS FIRE DISASTER) (Sonoma County)**	COUNTY OF SONOMA DPW/DOT 2300 COUNTY CTR DR, STE B-100 SANTA ROSA, CA 95403 PH: 707/565-2231 FX: 707/565-2620	T & M NTE $300,000.00	**5954**	**2/21**
UNDERGROUND	**LOS ALAMOS RD EMERGENCY CULVERT REPLACEMENT (2020 GLASS FIRE DISASTER) (Sonoma County)**	COUNTY OF SONOMA DPW/DOT 2300 COUNTY CTR DR, STE B-100 SANTA ROSA, CA 95403 PH: 707/565-2231 FX: 707/565-2620	T & M NTE $500,000.00	**5953**	**2/21**
UNDERGROUND	**WILFRED AVE BIORETENTION REHABILITATION (Rohnert Park)**	CITY OF ROHNERT PARK 130 AVRAM AVENUE, 2ND FLR ROHNERT PARK, CA 94928 CONTACT: JUSTIN BRANT, P.E. PH: 707/239-8840 E-MAIL: jbrandt@rpcity.org	$605,138.80	**5938**	**3/21**

UNDERGROUND	**REDWOOD VALLEY WATER INFRASTRUCTURE RETROFIT PROJECT (Mendocino County)**	COUNTY OF MENDOCINO 340 LAKE MENDOCINO DRIVE UKIAH, CA 95482-9432 CONTACT: HOWARD N. DASHIELL PH: 707/463-4363 FX: 707/463-5474 E-MAIL: dashielh@mendocinocounty.org	$2,646,509.60	**5923**	**3/22**
UNDERGROUND	**KAWANA SPRINGS ELEMENTARY SCHOOL SEWER REPLACEMENT (Santa Rosa)**	BELLEVUE USD C/O RGM KRAMER 1101 COLLEGE AVENUE, SUITE 215 SANTA ROSA, CA 95404 CONTACT: ANDREA NOBLE CELL: 510/908-3309 e-mail: andrea@rgmassociates.com	$305,000.00	**5913**	**1/21**

BIDDER'S SIGNATURE PAGE

Recycled Water Expansion Project

The undersigned hereby declares that the cost of all necessary items for completion of this project are included in the unit prices quoted, all incidentals have been taken into consideration even though said incidentals are not specifically listed in the specifications or shown on the plans. The undersigned is likewise aware of the fact that distances, quantities, and other estimated figures appearing on the plans or mentioned in the specifications or on the Proposal are only approximate and declares that the unit prices shown above for the various items of work are based on distances and quantities calculated as the result of actual measures performed at the site project.

Respectfully Submitted, Date: 11/20/26

Firm Name: Ghilotti Construction Company, Inc.

Signature:

Address: 246 Ghilotti Avenue, Santa Rosa, CA 95407

Business Phone: (707) 585-1221

Contractor's License No. 644515 Class A, C8, C12, C21, C42, HAZ Expiration Date: 5/31/28

Bidder is a* CA Corporation

If a partnership, names of partners. If a corporation, names of President or Vice President, and the Secretary or Asst. Secretary.

Name	Address
Brian Ongaro - President, Secretary	246 Ghilotti Avenue, Santa Rosa, CA 95407
Thomas Smith, Vice President of Estimating	246 Ghilotti Avenue, Santa Rosa, CA 95407

I (we) hereby state and declare, under the penalty of perjury under the laws of California, that the representatives made herein are true and correct.

Executed _____ (Date) at Santa Rosa (Location) California.

* By: _____

Title: Thomas Smith, Vice President of Estimating

* By: _____

Title: _____

*Please state whether the bidder is an individual, a partnership, a corporation, or an individual doing business under a fictitious name. If the bidder is a corporation, affix corporate seal.

NOTE: Contractor signatures must be notarized. Attach appropriate notary acknowledgements.

See attached

CALIFORNIA ACKNOWLEDGMENT CIVIL CODE § 1189

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 Sonoma }

On November 20, 2026 before me, Annette Margaret Conley, Notary Public
Date *Here Insert Name and Title of the Officer*

personally appeared Thomas Loren Smith
Name(s) of Signer(s)

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.

ANNETTE MARGARET CONLEY
Notary Public - California
Sonoma County
Commission # 2571881
My Comm. Expires Nov 19, 2030

Place Notary Seal and/or Stamp Above

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 A Conley
Signature of Notary Public

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer is Representing: _____

Signer's Name: _____
☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer is Representing: _____

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CONSTRUCTION
GHILOTTI
Since · COMPANY · 1914
100 YEARS

GHILOTTI CONSTRUCTION COMPANY, INC.

CORPORATE RESOLUTION TO EXECUTE PROPOSALS

WHEREAS, the Board of Directors (the "Board") of Ghilotti Construction Company, Inc., a California corporation (the "Corporation") deem it desirable and in the best interests of the Corporation to authorize the following Officers of the Corporation as authorized signers on the Corporation's behalf on any and all bid documents and Bidder's Bonds: Richard W. Ghilotti, Chief Executive Officer; Brian W. Ongaro, President and Secretary; Ali Yazdi, Executive Vice President of Public Works and Chief Operating Officer; Irving T. Huie, Chief Financial Officer and Treasurer; and Thomas Smith, Vice President of Estimating.

NOW, THEREFORE, BE IT RESOLVED, that the Directors hereby approve and appoint Richard W. Ghilotti, Chief Executive Officer; Brian W. Ongaro, President and Secretary; Ali Yazdi, Executive Vice President of Public Works and Chief Operating Officer; Irving T. Huie, Chief Financial Officer and Treasurer; and Thomas Smith, Vice President of Estimating for the purpose of executing in the name of the Corporation, any and all bid documents and Bidder's Bonds.

RESOLVED FURTHER, that any and all actions taken by Richard W. Ghilotti, Brian W. Ongaro, Ali Yazdi, Irving T. Huie and Thomas Smith in executing said bid documents and Bidder's Bonds be, and they hereby are, ratified and approved, and all such Proposals and bonds and documents are hereby adopted as binding obligations of the Corporation.

Secretary's Certification

The Secretary of the Corporation hereby certifies that he is the duly elected and qualified Secretary of the Corporation and certifies that the above is a true and correct record of a Board resolution that was duly adopted by the Corporation's Board of Directors at a special meeting, which was duly and regularly called and held in all respects as required by law and by the Corporation's bylaws, and which was held on July 15, 2021.

IN WITNESS WHEREOF, I have hereto set my hand as such Secretary and affixed the corporate seal of the said Corporation, this 1st day of May, 2026.

By: _____
Brian W. Ongaro, Secretary

BIDDER'S BOND

Recycled Water Expansion Project

KNOW ALL BY THESE PRESENTS: That
Ghilotti Construction Company, Inc.

As Principal (herein called "Principal") and
Liberty Mutual Insurance Company

As Surety (herein called "Surety")

are held and firmly bound unto the Mendocino City Community Services District, a California Special District (herein called "Obligee"), in just and full sum of *See Below ($ 10% of Bid) lawful money of the United States of America, (said sum being equal to 10% of the estimated total amount of the bid) of Principal for the herein described work of improvement, for the payment of which, well and truly to be made, we hereby bind ourselves and our, and each of our, heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

*Ten Percent of Total Amount Bid

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, That

WHEREAS, Principal who is bidding, or is about to bid, for the following described work of improvement, all in accordance with the Notice Inviting Bids, Proposal, Plans, Specifications, and Standard Contractual Requirements of Obligee therefore.

NOW, THEREFORE, if Obligee shall make an award to Principal for said work of improvement according to the terms of such bid, and Principal shall duly execute, or cause to be executed, and delivered to Obligee the Contract, bonds, and evidence of insurance coverage as, and within the time required by the Standard Contractual Requirements, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

No extension of time granted to the Principal and no change or alteration in any of the terms of the bid or the bid requirements, whether made after notice or note, shall release or otherwise affect the obligations of the Surety hereunder, and the Surety waives notice of any such extension, change, or alteration. The Surety, by the execution of this bond, represents and warrants that this bond has also been duly executed by the Principal with proper authority, and the Surety hereby waives any defense which it might have by reason of any failure of the Principal to execute this bond.

In the event suit is brought upon this bond by the Obligee and judgment is recovered by the Obligee, court costs, including reasonable attorney's fees, shall be an additional obligation of this bond for which Principal and Surety shall be liable.

Signed and Sealed this 19th day of November 2026.

Contractor as Principal	Surety
(Corp. Seal)	(Corp. Seal)
Ghilotti Construction Company, Inc.	Liberty Mutual Insurance Company
Company Name	Company Name
Signature	Signature
Thomas Smith	Jeremy Farque
Print Name	Print Name
VP of Estimating	Attorney-In-Fact
Title	Title
246 Ghilotti Avenue	175 Berkeley Street
Street Address	Street Address
Santa Rosa, CA 95407	Boston, MA 02116
District, State, Zip Code	District, State, Zip Code

Note: Signatures of those executing for Surety must be properly acknowledged. The bond must be accompanied by a power of attorney from the Surety authorizing its agent to bind it to this bond.

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 Placer)

On November 19, 2026 before me, Ashley White, Notary Public
(insert name and title of the officer)

personally appeared Jeremy Farque,
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.

ASHLEY WHITE
COMM. # 2494454
NOTARY PUBLIC - CALIFORNIA
PLACER COUNTY
COMM. EXPIRES JULY 14, 2028

Signature Ashley White (Seal)

Liberty Mutual SURETY

POWER OF ATTORNEY

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8216877 - 977442

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Ashley White, Dona Lisa Buschmann, Edward D. Johnson, Jeremy Farque, Joselynn Campbell, Julie A. Shiroma, Kathy Rangel, Maggie Bender- Johnson, Robert D. Laux

all of the city of Roseville state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 22nd day of September, 2026.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: _____
Nathan J. Zangerle, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 22nd day of September, 2026 before me personally appeared Nathan J. Zangerle, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2029
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Nathan J. Zangerle, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19th day of November, 2026.

By: _____
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

Mendocino City Community Services District
10500 Kelly Street • PO Box 1029 • Mendocino, CA 95460
Phone: 707.937-5790 Fax: 707.937.3837 http://www.mccsd.org

Recycled Water Expansion Project

Addendum No. 1

November 12, 2026

The following is Addendum No. 1 to the Mendocino City Community Services District – Recycled Water Expansion Project.

IF YOU SUBMIT A PROPOSAL, ACKNOWLEDGMENT OF THIS ADDENDUM MUST BE SHOWN ON THE BID PROPOSAL FORM, OR IT MAY BE DEEMED AS NON-RESPONSIVE.

This Addendum is hereby made part of the Contract Documents to the same extent that it were originally included therein.

Questions and Answers (listed in order received):

None

Revised Contract Provisions:

1. The Bid Proposal forms are reissued with revised quantities for Item A-10 "8-Inch Gate Valve" and for Item A-11 "Permanent Blowoff."

Revised Technical Specifications:

1. Specification Section 01 22 00 revised to include description of payment for utility locator.
2. Specification Section 33 11 00 revised to add a utility locator.

Revised Drawings:

None

All other terms and conditions remain in full force and effect.

Ryan Rhoades
Superintendent

SECTION 01 22 00

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.1 GENERAL

A. Unless otherwise specified in other individual sections of these Specifications, quantities of work shall be determined from measurements or dimensions in horizontal planes. However, linear quantities of pipe shall be considered as being the horizontal length as measured along the ground surface.

B. Units of measurement shall be in accordance with U.S. Standard Measures.

C. Materials and unit price items of work are to be paid for on a measurement basis in accordance with Part 2 of this section.

1.2 LUMP SUM PRICE BREAKDOWN (SCHEDULE OF VALUES)

A. Immediately after award of the Contract and prior to approval of initial payment request, the Contractor shall submit a cost breakdown list (Schedule of Values) to the Engineer for all lump sum bid items. This list shall consist of the major components of work that make up the lump sum bid items and shall be used for determining progress pay estimates. The Contractor shall fill in the amounts for each component, prorating general costs (such as, setup, overhead, and profit) in each component. The total of all components of each lump sum bid item shall equal the total of that lump sum bid item. If the amount indicated in the Contractor's Schedule of Values for any item on the list appears unbalanced, the Engineer may request that the Contractor revise the item as deemed necessary by the Engineer, unless the Contractor can substantiate these costs.

B. Only work items of value to the Owner shall be included in the list. An item for cleanup shall be listed in the breakdown, in the amount of at least one quarter of one percent (0.25%) of the total bid item. If cleanup proceeds as the job progresses, then partial payments of these amounts will be made accordingly.

PART 2 PRODUCTS

2.1 BID ITEMS

A. The Bid Amounts for each Bid Item will be used for comparative bid analysis. The Bid amounts will also form the basis of monthly progress payments. Each Lump Sum bid amount will undergo further breakdown as described previously in this section. Bid items are not intended to be exclusive descriptions of Work categories and the Contractor shall determine and include in its pricing all materials, labor, and equipment necessary to complete each Bid Item (Work phase) as shown and specified.

B. All pay line items will be paid for at the prices named in the Bid Schedule for the respective items of Work. The quantities of work or materials stated as unit price items on the Bid Schedule are supplied only to give an indication of the general scope of the Work.

C. Payment for dewatering, field engineering and all other work required to complete the work in this contract is included in the various items of work. No separate payment will be made for any of these items of work.

D. A bid item quantity shown as a final (F) pay item is for payment purposes only. For a final pay item, accept payment based on the Bid Item List quantity, regardless of the actual quantity used unless dimensions are changed by the Engineer.

E. All bid items including pipelines, conduits, vaults and buried valves, including but not limited to recycled water mains, recycled water services, storm drains, electrical conduits and telecommunication conduits shall include, but not be limited to excavation and disposal of material, root pruning, bedding, pipe, joints and other fittings as required, pipe embedment material, import backfill material, tunneling above and below existing utilities, underground detection tape, tracer wire, concrete thrust blocks, potholing existing utilities as required to positively verify their location and for adequate protection, supporting exposed utilities and pipes, trench backfill, protective trench cover, polyethylene wrap, bedding and cover on existing utility conduits and pipes, compaction, control of grades, control of groundwater, dewatering, cleaning, flushing, testing, temporary paving or trench plating, permanent asphalt and concrete paving and surfacing, traffic markers, alignment survey staking, field engineering and all other related work as described in the Contract Documents unless otherwise included in another bid item.

F. Contractor shall include in their bid minor adjustments of up to three feet in the recycled water pipeline horizontal alignment, which may be necessary during construction to avoid existing underground utilities and full lane repaving.

2.2 BASE BID ITEM DESCRIPTIONS

A. **SCHEDULE A: Recycled Water Expansion.** The following SCHEDULE A Bid item descriptions are numbered in accordance with Bid Schedule A in the Bid Proposal Form.

1. Bid Item A-1: Mobilization and Demobilization
   Full compensation for **Mobilization and Demobilization** will be paid for at the contract **lump sum** price, which price shall constitute full compensation for all such work. Maximum value shall not exceed five percent (5%) of total Schedule A contract price. The scope of work for Mobilization shall include, but not be limited to, obtaining all bonds, insurance and permits, moving onto and out of the site of all plant and equipment, submitting a construction schedule, obtaining approval of a schedule of values for lump sum items and approval of critical path submittals. Payment for Mobilization shall not exceed 75% of the contract lump sum price. Payment for Demobilization shall occur when all required items per the contract are fulfilled and the site is free of equipment and clean and ready for use by the public as determined by the Engineer. Payment for Demobilization includes the utility locator specified in Section 33 11 00.
2. Bid Item A-2: Water Pollution Control
   Full compensation for **Water Pollution Control** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for preparing and obtaining approval for a Water Pollution Control Plan (WPCP) for the project and for implementation of the WPCP, including furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in installing temporary erosion control measures within the limits shown on the Plans, approved WPCP and as specified in the Standard Specifications and these Technical Specifications, including but not limited to temporary construction fence, silt fence, seed, hydroseed, fiber rolls, erosion control blankets, covers, gravel bags, filter bags, hydraulic mulch, tacked straw, top soil, fine grading, cleaning and removing sediment deposits inside existing storm drains and drainage ditches, sampling, testing and reporting, and related work as enumerated in the Plans and these Specifications.

3. Bid Item A-3: Temporary Traffic Control
   Full compensation for **Temporary Traffic Control** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for preparing and obtaining approval for a Traffic Control Plan as part of County of Mendocino Department of Transportation Encroachment Permit, and for implementation of the TCP, including furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in installing and maintaining temporary traffic control measures within the limits shown on the Plans and beyond as necessary to provide safe passage of vehicular and non-vehicular traffic, as specified in the Standard Specifications and these Technical Specifications, including but not limited to temporary construction delineators, striping, signing, flagging, staging, and reporting, and related work, as enumerated in the Plans and these Specifications.
4. Bid Item A-4: Trench Sheeting, Shoring and Bracing
   Full compensation for **Trench Sheeting, Shoring and Bracing** shall be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools and equipment and doing all work involved in trench bracing, sheeting and shoring or equivalent method as needed to construct the distribution system including but not limited to that required by Sections 6700-6708 of the Labor Code as specified herein.
5. Bid Item A-5: 8-Inch Open-Trench Recycled Water Main, AC Pavement Surface Restoration
   Full compensation for **8-Inch Open-Trench Recycled Water Main, AC Pavement Surface Restoration** will be paid for at the contract unit price per **linear foot (LF)** for each size shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in establishing lines and grades and constructing open-trench new recycled water mains including but not limited to, permits, saw cutting pavements, removal of existing bollards, trench excavation, subgrade preparation, scarification, moisture conditioning, pipe bedding, pipeline materials, fittings, joint restraint, installation, backfilling, compaction, connections to existing pipelines and recycled water services, removal and disposal of abandoned asbestos-cement pipe in conflict with the work, abandonment, quality control testing, paving and resurfacing, surface restoration, striping, signing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
6. Bid Item A-6: 2-Inch Open-Trench RW Service, AC Pavement Surface Restoration
   Full compensation for **2-Inch Open-Trench Recycled Water Service, AC Pavement Surface Restoration** will be paid for at the contract unit price per **linear foot (LF)** for each size shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in establishing lines and grades and constructing open-trench new recycled water mains including but not limited to, permits, saw cutting pavements, removal of existing bollards, trench excavation, subgrade preparation, scarification, moisture conditioning, pipe bedding, pipeline materials, fittings, joint restraint, installation, backfilling, compaction, connections to existing pipelines and irrigation services, removal and disposal of abandoned asbestos-cement pipe in conflict with the work, abandonment, quality control testing, paving and resurfacing, surface restoration, striping, signing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
7. Bid Item A-7: 1-Inch Open-Trench RW Service, AC Pavement Surface Restoration
   Full compensation for **1-Inch Open-Trench Recycled Water Service, AC Pavement Surface Restoration** will be paid for at the contract unit price per **linear foot (LF)** for each size shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in establishing lines and grades and constructing open-trench new recycled water mains including but not limited to, permits, saw cutting, trench excavation, subgrade preparation, scarification, moisture conditioning, pipe bedding, pipeline materials, fittings, joint restraint,

installation, backfilling, compaction, connections to existing pipelines and irrigation services, removal and disposal of abandoned asbestos-cement pipe in conflict with the work, abandonment, quality control testing, paving and resurfacing, surface restoration, striping, signing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

8. Bid Item A-8: 2-Inch Meter and Backflow Assembly
   Full compensation for **2-Inch Meter and Backflow Assembly** will be paid for at the contract unit price per **each (EA)** as shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in providing the recycled water meter, box, backflow assembly and connecting piping, including submittals, fittings, enclosure, concrete pad, dielectric fittings, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
9. Bid Item A-9: 1-Inch Meter and Backflow Assembly
   Full compensation for **1-Inch Meter and Backflow Assembly** will be paid for at the contract unit price per **each (EA)** as shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in providing the recycled water meter, box, backflow assembly and connecting piping, including submittals, fittings, enclosure, concrete pad, dielectric fittings, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
10. Bid Item A-10: 8-Inch Gate Valve
    Full compensation for **8-Inch Gate Valve** will be paid for at the contract unit price per **each (EA)** as shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in providing valves on pipelines including valves on fire hydrant laterals, submittals, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
11. Bid Item A-11: Permanent Blowoff
    Full compensation for **Permanent Blowoff** will be paid for at the contract unit price per **each (EA)** as shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in providing permanent blowoff assemblies on pipelines, including submittals, piping, fittings, boxes, testing and related work, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
12. Bid Item A-12: 1-Inch Air Release/Vacuum Valve
    Full compensation for **Air Release/Vacuum Valve** will be paid for at the contract unit price per **each (EA)** as shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in providing air release/vacuum valves on pipelines, including submittals, piping, fittings, enclosure, concrete pad, dielectric fittings, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
13. Bid Item A-13: Fire Hydrant
    Full compensation for **Fire Hydrant** will be paid for at the contract unit price per **each (EA)**, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work required to provide fire hydrants from the vertical reducing bend to the hydrant, including but not limited to submittals, saw cutting, trench excavation, grading, subgrade preparation, scarification, moisture conditioning, pipe bedding, pipeline materials, fittings, joint restraint, fire hydrant, break-off check valve, riser, concrete pad, installation, painting, signing, backfilling, compaction, quality control testing, start-up testing, adjusting, all items of work described in Paragraph 2.1.E, and related work,

as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

14. Bid Item A-14: Ford House Public Restrooms Plumbing Retrofit
Full compensation for **Ford House Public Restrooms Plumbing Retrofit** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in the plumbing retrofit within the Ford House Restrooms building to disconnect the potable water supply and connect the recycled water supply to the toilets, including piping, valves, fittings and appurtenances, and no additional allowances will be made therefor.
15. Bid Item A-15: Utility Conflict Resolution
Measurement for **Utility Conflict Resolution** for payment will be based upon, but not limited to, furnishing all labor, materials, tools, equipment and incidentals necessary to move, relocate or mitigate utility conflicts, conflicts with manmade buried objects or other unforeseen items that may be encountered during construction or during potholing investigations. **Utility Conflict Resolution** shall be paid for on a **Force Account (FA)** basis up to the contract allowance price and shall include full compensation for furnishing all labor, materials, permits, tools and equipment, and for doing all the work involved as required to complete the work, and as directed by the Engineer, and no additional allowance shall be made therefor.

B. **SCHEDULE B: MCCSD Property Irrigation System.** The following SCHEDULE B Bid item descriptions are numbered in accordance with Bid Schedule B in the Bid Proposal Form.
1. Bid Item B-1: Palette Drive Irrigation System
Full compensation for **MCCSD Property Irrigation System** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing the irrigation system at the MCCSD owned property on Palette Drive, including but not limited to submittals, piping, saw cutting, trench excavation, bedding, pipeline and conduit materials, fittings, joints, installation, backfilling, compaction, sensor assembly, irrigation control valves, sprinkler heads, couplings, boxes, quality control testing, start-up testing, adjusting, signs and labeling, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
2. Bid Item B-2: Palette Drive Irrigation Controller
Full compensation for **MCCSD Property Irrigation Controller** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing the irrigation controller at the MCCSD owned property on Palette Drive, including but not limited to submittals, trench excavation, bedding, conduit, cables, installation, backfilling, compaction, quality control testing, and start-up testing, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
3. Bid Item B-3: Palette Drive PG&E Service
Full compensation for **MCCSD Property PG&E Service** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing the PG&E service for the irrigation system at the MCCSD owned property on Palette Drive, including but not limited to submittals, saw cutting, trench excavation, bedding, conduit, installation, backfilling, compaction, PG&E meter pedestal, grounding, quality control testing, start-up testing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

C. **SCHEDULE C: Hillcrest Cemetery Irrigation System.** The following SCHEDULE C Bid item descriptions are numbered in accordance with Bid Schedule C in the Bid Proposal Form.

1. Bid Item C-1: Hillcrest Cemetery Irrigation System
   Full compensation for **Hillcrest Cemetery Irrigation System** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing the irrigation system at Hillcrest Cemetery, including but not limited to submittals, piping, saw cutting, trench excavation, bedding, pipeline materials, fittings, joints, installation, backfilling, compaction, couplings, boxes, quality control testing, start-up testing, adjusting, signs and labeling, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

D. **SCHEDULE D: Heider Field Irrigation System.** The following SCHEDULE D Bid item descriptions are numbered in accordance with Bid Schedule D in the Bid Proposal Form.
   1. Bid Item D-1: Heider Field Irrigation System
      Full compensation for **Heider Field Irrigation System** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing the irrigation system at the State Parks owned Heider Field property on Little Lake Street, including but not limited to submittals, piping, saw cutting, trench excavation, bedding, pipeline and conduit materials, fittings, joints, installation, backfilling, compaction, sensor assembly, irrigation control valves, sprinkler heads, couplings, boxes, quality control testing, start-up testing, adjusting, signs and labeling, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
   2. Bid Item D-2: Heider Field Irrigation Controller
      Full compensation for **Heider Field Irrigation Controller** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing the irrigation controller at the State Parks owned Heider Field property on Little Lake Street, including but not limited to submittals, trench excavation, bedding, conduit, cables, installation, backfilling, compaction, quality control testing, and start-up testing, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
   3. Bid Item D-3: Heider Field PG&E Service
      Full compensation for **Heider Field PG&E Service** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing the PG&E service for the irrigation system at the State Parks owned Heider Field property on Little Lake Street, including but not limited to submittals, saw cutting, trench excavation, bedding, conduit, installation, backfilling, compaction, PG&E meter pedestal, grounding, quality control testing, start-up testing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

E. **SCHEDULE E: Evergreen Cemetery Irrigation System.** The following SCHEDULE E Bid item descriptions are numbered in accordance with Bid Schedule E in the Bid Proposal Form.
   1. Bid Item E-1: Evergreen Cemetery Irrigation System
      Full compensation for **Evergreen Cemetery Irrigation System** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing the irrigation system at Hillcrest Cemetery, including but not limited to submittals, piping, saw cutting, trench excavation, bedding, pipeline materials, fittings, joints, installation, backfilling, compaction, couplings, boxes, quality control testing, start-up testing, adjusting, signs and labeling, all items of work described in Paragraph 2.1.E, and related

work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

F. **SCHEDULE F: Evergreen Street Sewer Main Replacement.** The following SCHEDULE F Bid item descriptions are numbered in accordance with Bid Schedule F in the Bid Proposal Form.

1. Bid Item F-1: Trench Sheeting, Shoring and Bracing
   Full compensation for **Trench Sheeting, Shoring and Bracing** shall be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools and equipment and doing all work involved in trench bracing, sheeting and shoring or equivalent method as needed to construct the replacement sanitary sewer mains including but not limited to that required by Sections 6700-6708 of the Labor Code as specified herein, and no additional allowance will be made therefor.
2. Bid Item F-2: Open-Trench 8-Inch Sewer Main
   Full compensation for **Open-Trench 8-Inch Sewer Main** will be paid for at the contract unit price per **linear foot (LF)**, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in establishing lines and grades and constructing open-trench sewer main including but not limited to, permits, temporary bypass pumping, saw cutting, trench excavation, subgrade preparation, scarification, moisture conditioning, pipe bedding, pipeline materials, fittings, installation, backfilling, compaction, connections to pipelines and manholes, tree removal, fence removal and replacement, hydrant removal and replacement, quality control testing, paving and resurfacing, surface restoration, striping, signing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
3. Bid Item F-3: 48-Inch Sewer Manhole
   Full compensation for **48-Inch Sewer Manhole** will be paid for at the contract unit price per **each (EA)**, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in constructing new sewer manholes including but not limited to, saw cutting, excavation, subgrade preparation, scarification, moisture conditioning, backfilling, compaction, quality control testing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
4. Bid Item F-4: Connect Sewer Lateral
   Full compensation for **Connect Sewer Lateral** will be paid for at the contract unit price per **each (EA)**, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in connecting existing sewer laterals to the new sewer main including but not limited to, saw cutting, excavation, subgrade preparation, scarification, moisture conditioning, backfilling, compaction, lateral materials, fittings, installation, quality control testing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.
5. Bid Item F-5: Provide 2-Way Cleanout
   Full compensation for **Provide 2-Way Cleanout** will be paid for at the contract unit price per **each (EA)**, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in providing a two-way cleanout on reconnected laterals, and performing all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

G. **SCHEDULE G: Main Street Sewer Lift Station Improvements.** The following SCHEDULE G Bid item descriptions are numbered in accordance with Bid Schedule G in the Bid Proposal Form.

1. Bid Item G-1: Main Street Sewer Lift Station Wetwell Pumps
   Full compensation for **Main Street Sewer Lift Station Wetwell Pumps** will be paid for at the contract **lump sum (LS)** price, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in removing and disposing of the existing pressure ejector sewer pumping system from the drypit, removing and disposing of the existing wet well cover, and providing new wetwell submersible pumps, rail system, wetwell cover with access hatch, pump controller, electrical, piping, valves and appurtenances, including but not limited to submittals, disposal, piping, fittings, joints, installation, conduit, conductors, couplings, boxes, quality control testing, start-up testing, adjusting, labeling, all related items of work as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

H. **SCHEDULE H: Main Street Recycled Water Extension.** The following SCHEDULE H Bid item descriptions are numbered in accordance with Bid Schedule H in the Bid Proposal Form.
   1. Bid Item H-1: 8-Inch Open-Trench Recycled Water Main Extension
      Full compensation for **8-Inch Open-Trench Recycled Water Main Extension, AC Pavement Surface Restoration** will be paid for at the contract unit price per **linear foot (LF)** for each size shown on the bid schedule, which price shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for performing all work involved in establishing lines and grades and constructing open-trench new recycled water mains including but not limited to, permits, saw cutting, trench excavation, subgrade preparation, scarification, moisture conditioning, pipe bedding, pipeline materials, fittings, joint restraint, installation, backfilling, compaction, connections to existing pipelines and irrigation services, removal and disposal of abandoned asbestos-cement pipe in conflict with the work, abandonment, quality control testing, paving and resurfacing, surface restoration, striping, signing, all items of work described in Paragraph 2.1.E, and related work, as enumerated in the plans and these specifications, and no additional allowances will be made therefor.

PART 3 EXECUTION - Not Used

END OF SECTION

SECTION 33 11 00

RECYCLED WATER UTILITIES

PART 1 GENERAL

1.1 DESCRIPTION

A. Section includes: The Contractor shall provide all materials, equipment, and labor necessary to furnish and install all water pipe with all necessary fittings and coupling systems and all appurtenant work, complete and operable, including all connections as shown on the Drawings and as specified herein.

B. All recycled water piping materials, equipment and installation shall be in accordance with the AWWA Standards.

C. Section includes:
1. Recycled Water Main Piping.
2. Couplings.
3. Dismantling Joints.
4. Restrained Joints for DI Piping.
5. Restrained Joints for PVC Piping.
6. Service Meters.
7. Fire Hydrants.
8. Tracer Wire.
9. Detectable Pipe Warning Tape.
10. Bedding and Cover Materials.
11. Gate Valves.
12. Pressure Reducing Valves.
13. Air Release / Vacuum Valves.
14. Bronze Ball Valves.
15. Bolts for Underground Piping and Valves.
16. Bolts for Aboveground Piping and Valves.
17. Pipe Hangers, Supports and Stem Guides.
18. Flange Insulation Kits.
19. Mechanical Seals and Water Stops.
20. Non-shrink Grout.
21. Pressure Gauges.
~~21.~~22. Utility Locator
~~22.~~23. Recycled Water System Labeling.

1.2 RELATED WORK

A. Contract General Conditions.

B. Section 03 05 00 - Basic Concrete Materials.

C. Section 31 01 40 - Shoring and Trench Safety.

D. Section 31 23 00 - Trench Excavation and Backfill.

E. Section 31 23 19 - Dewatering.

1.3 REFERENCE SPECIFICATIONS, CODES, AND STANDARDS

A. American Public Works Association (APWA)
   1. Uniform Color Code for Marking of Underground Utility Locations.

B. American Society of Testing and Materials (ASTM)
   1. ASTM A193 – Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High Temperature or High Pressure Service and Other Special Purpose Applications
   2. ASTM A194 – Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both
   3. ASTM A536 – Standard Specification for Ductile Iron Castings
   4. ASTM D2737 – Standard Specification for Polyethylene (PE) Plastic Tubing
   5. ASTM F477 – Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe

C. American Water Works Association (AWWA)
   1. AWWA C104 – Standard for Cement–Mortar Lining for Ductile-Iron Pipe and Fittings
   2. AWWA C105 – Polyethylene Encasement for Ductile-Iron Pipe Systems
   3. AWWA C110 – Standard for Ductile-Iron and Gray-Iron Fittings
   4. AWWA C111 – Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings
   5. AWWA C153 – Standard for Ductile-Iron Compact Fittings for Water Service
   6. AWWA C509 – Resilient-Seated Gate Valves for Water Supply Service
   7. AWWA C550 – Protective Interior Coatings for Valves and Hydrants
   8. AWWA C600 – Installation of Ductile Iron Water Mains and their Appurtenances.
   9. AWWA C901 – Standard for Polyethylene (PE) Pressure Pipe and Tubing, ½ In. (13 mm) through 3 In. (76 mm), for Water Service – PE material designations PE 2708, PE 3608, and PE 4710.

D. National Fire Protection Association (NFPA):
   1. 24 95 Installation of Private Fire Service Mains and Their Appurtenances
   2. 291-01 Fire Flow Testing and Marking of Hydrants

E. NSF International:
   1. 61-02 Drinking Water System Components-Health Effects (Sections 1-9)

F. American Welding Society (AWS):
   1. A5.8 04 Brazing Filler Metal

G. Foundation for Cross-Connection Control and Hydraulic Research-2005

H. Copper Development Association's Copper Tube Handbook-2005

1.4 QUALITY ASSURANCE

A. Standards: The materials and work performed in this Section shall conform to the applicable standards of:
   1. The American National Standards Institute (ANSI).
   2. The American Society for Testing and Materials (ASTM).
   3. American Water Works Association Inc. (AWWA).
   4. The National Sanitation Foundation (NSF).
   5. The American Society of Mechanical Engineers, Boiler and Pressure Vessel Code (ASME).
   6. Plumbing and Drainage Institute (PDI).
   7. Underwriters Laboratories Inc. (UL).
   8. Uniform Plumbing Code (UPC).
   9. National Fire Protection Association (NFPA).

10. Factory Mutual Research Corporation (FMRC).

B. Tests: All materials used in the manufacture of the pipe shall be tested in accordance with the requirements of AWWA and NSF-61, and the referenced standards, as applicable, in addition to national, local, and state codes.

C. Contractor shall coordinate with and provide a minimum 48 hour notice to the District for all inspections.

D. All costs of inspection and tests shall be borne by the Contractor.

E. The pipe shall be subjected to the specified hydrostatic strength tests, flexure tests, and crushing tests. The crushing tests shall be made on samples taken from the center of full-length sections of pipe.

F. The Contractor shall verify with the pipe manufacturer all connection details.

G. Qualification of manufacturers:
1. The material shall be the product of a supplier regularly engaged in the manufacturing of pipe and plumbing products.
2. All materials shall be new and of current manufacture and shall be guaranteed against defects or workmanship in accordance with the General Conditions.

H. Qualification of installers:
1. For the actual assembly, installation, and testing of the work in this Section, use only thoroughly trained and experienced personnel who are completely familiar with the requirements for this work and with the installation recommendations of the manufacturers of the specified items.
2. In acceptance or rejection of installed materials, no allowance will be made for lack of skill on the part of installers.

1.5 CONTRACTOR SUBMITTALS

A. Submittals shall be in accordance with Section 01 33 00, "Submittal Procedures". Submit complete shop drawings including layouts, elevations, and details to the Engineer.

B. Submit all product data, shop drawings, laboratory test results, material source information, and certificates of compliance listed in this Section under a single submittal cover for review. Incomplete submittals will not be reviewed.

C. Material List:
1. In accordance with the provisions of Section 01 33 00 "Submittal Procedures" of the Specifications, submit with the shop drawings a complete list of all materials and equipment proposed to be furnished and installed under this portion of the work, giving manufacturer's name, catalog number, and catalog cuts for each item where applicable.

D. Manufacturers' Literature and Data (Submit all items as one submittal package for review):
1. Ductile Iron Pipe shall be in accordance with ANSI/AWWA C151/A21.51; and shall be provided to Engineer for approval.
2. C900 PVC Pipe.
3. Schedule 80 PVC Pipe.
4. Piping.
5. Gaskets.
6. Valves.
7. Check Valves.

8. Service line products.
9. Valve boxes.
10. Joint restraint.
11. Coupling.
12. Disinfection products.
13. Detection Wire

E. Testing Certifications:
   1. Hydrostatic Testing.
   2. Certification of Disinfection, including free chlorine residuals, and bacteriological examinations.

F. Temporary Water Supply Plan: Submit plan outlining the steps that the Contractor will take to provide water to properties where the water supplies have been disrupted.

G. Manufacturer's recommendations:
   1. Accompanying the materials list and shop drawings, submit four copies of the manufacturer's current recommended method of installation.

H. Certificates of Compliance: Certificates of Compliance shall be provided for all products and materials proposed to be used under this Section.

I. Refer to Section 09 90 00 for paint and coating submittal requirements.

1.6 COORDINATION

A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.

B. Coordinate the Work with termination of water connections inside and outside building, trenching, connection to municipal water system, and connection to treatment and backwash system.

1.7 DELIVERY, STORAGE, AND HANDLING:

A. Coated pipe shall be shipped on bunks, and secured with nylon belt tied down straps or padded banding located approximately over braces. Coated pipe shall be stored on padded skids, sand or dirt berms, sand bags, old tires or other suitable means so that coating will not be damaged. Coated pipe shall be handled with the wide belt slings, padded forks, or other means that will not damage the pipe or coating. Chains, cables or other equipment likely to cause damage to the pipe or coating shall not be used. Prior to shipment, the pipe shall be visually inspected for damage to the coating. Any damaged areas shall be repaired at the Contractor's expense in accordance with the standard to which the coating was applied.

B. Deliver and store valves and other materials and appurtenances in shipping containers with labeling in place.

PART 2 PRODUCTS

2.1 GENERAL

A. These Specifications are intended to be standard specifications and they may therefore contain specifications for materials not required for this project or allowed on any or various parts of it. Certain materials, which are applicable for only one portion or a small portion, may be shown on the plans and not particularly specified herein.

B. All materials shall conform to sizes, capacity, quality and quantities as shown on the drawings or described in these Specifications. Materials shall be from new stock, delivered in good condition. No damage to stock shall be used.

C. Where no method of tests for materials is specified, the latest applicable test specified by ASTM or AWWA shall be followed.

D. After delivery to the site, all materials shall be carefully unloaded, protected against breakage, rusting, accumulation of foreign matter, disintegration, and injury. The Contractor shall be responsible for all lost or damaged material supplied and work done under this contract.

2.2 RECYCLED WATER MAIN PIPING

A. Polyvinyl Chloride (PVC) Pipe:
   1. Size: As shown on plans.
   2. Color: Purple
   3. Pipe: Less than 4": Schedule 80 PVC
      a. Fittings: Schedule 80 PVC
      b. Joints: Solvent weld, use heavy duty PVC cement and primer.
   4. Pipe: 4" through 12": AWWA C900 DR 18 Pressure Class 235, Cast-Iron Pipe Size
      a. Fittings: See Ductile Iron Fittings
      b. Joints:
         1) ASTM D3139 and ASTM F477 PVC flexible elastomeric seals. Solvent-cement couplings are not permitted, except in sizes less than 3" in diameter.
         2) All joints shall be integral, bell, and spigot gasketed joints or plain end with rubber ring couplings.
         3) All joints shall be supplied from the manufacturer with an assembly mark for use in installation so joints are not over-stabbed.
         4) When the spigot end of pipe is to be inserted into a mechanical joint fitting, the beveled end of the pipe shall be removed prior to insertion.

B. Ductile Iron Pipe (DIP):
   1. Size: As shown on plans.
   2. Pipe: ANSI/AWWA C151/A21.51, Pressure Class 350.
   3. Below Grade Pipe:
      a. Mechanical Joint Pipe.
      b. Restrained Joints:
         1) Boltless, push-on type, joint restraint independent of joint seal.
         2) Gaskets: rubber ring type push-on TYTON gasketed joints.
         3) Jackets: ANSI/AWWA C105/A21.5 polyethylene jacket.
            a) Color: Purple
            b) Provide a polyethylene encasement around pipe, fittings, and valves.
            c) Make provisions to keep the polyethylene from direct exposure to sunlight prior to installation. Backfill following installation without delay to avoid exposure to sunlight.
      c. Interior Lining:
         1) Cement mortar lining interior in accordance with ANSI/AWWA C104/A21.4.
      d. Exterior Coating:
         1) Asphaltic coating in accordance with ANSI/AWWA C151/A21.51.
      e. Manufacturer:
         1) U.S. Pipe.
         2) American.
         3) Clow Water Systems Co.
         4) Approved equivalent.
   4. Above Grade Pipe and Fittings:
      a. Flanged Joints: AWWA C115.

b. Gaskets: rubber gasketed joints, 1/8 inch thick.
c. Interior Lining: Fusion-bonded epoxy in accordance with ANSI/AWWA C116/A21.16.
d. Exterior Coating: Fusion-bonded epoxy in accordance with ANSI/AWWA C116/A21.16.

C. Ductile Iron Fittings (below grade):
   a. Ductile iron: ANSI/AWWA C110/A21.10.
   b. Compact fittings ANSI/AWWA C153/A21.53.
   c. Coating and Lining:
      1) Above Ground: Cement-mortar lining in accordance with AWWA-C104 and fusion-bonded epoxy coating in accordance with ANSI/AWWA C116/A21.16. Provide a polyurethane top coat on all above ground piping not made of stainless steel.
      2) Below Ground: Cement-mortar lining in accordance with AWWA-C104, and an exterior bituminous coating in accordance with AWWA C203
      3) Jackets for Below Ground: ANSI/AWWA C105/A21.5 polyethylene jacket.

2.3 COUPLINGS

A. Restrained Coupling
   1. Type: AWWA C219, NSF 61 listed.
   2. Body:
      a. Ductile Iron; ASTM A536
      b. Carbon Steel; ASTM A513, ASTM A53 or ASTM A283C
   3. Gaskets: Virgin Styrene Butadiene Rubber (SBR) for water services; ASTM D2000 MBA 710
   4. Bolts: 316 stainless steel.
   5. Coating: Fusion-bonded epoxy in accordance with ANSI/AWWA C116/A21.16, or approved equivalent.
   6. Pressure rating: meet or exceed adjacent piping system rating.
   7. System compatible with connecting pipe; verify connecting pipe O.D.

B. Restrained Flange Coupling Adaptor
   1. System: restrain plain end of pipe to a flange, conforming to AWWA C110.
   2. Body:
      a. Ductile Iron; ASTM A536
      b. Carbon Steel; ASTM A513, ASTM A53 or ASTM A283C
   3. Gaskets: Virgin Styrene Butadiene Rubber (SBR) for water services; ASTM D2000 MBA 710
   4. Bolts: 316 stainless steel,
   5. Coating: Fusion-bonded epoxy in accordance with ANSI/AWWA C116/A21.16, or approved equivalent.
   6. Pressure rating: meet or exceed adjacent piping system rating.
   7. System compatible with connecting pipe; verify connecting pipe O.D.

C. Reducing Coupling
   1. System: restrain plain end of pipe to a flange, conforming to AWWA C110.
   2. Body:
      a. Ductile Iron; ASTM A536
      b. Carbon Steel; ASTM A513, ASTM A53 or ASTM A283C
   3. Gaskets: Virgin Styrene Butadiene Rubber (SBR) for water services; ASTM D2000 MBA 710
   4. Bolts: 316 stainless steel,
   5. Coating: Fusion-bonded epoxy in accordance with ANSI/AWWA C116/A21.16, or approved equivalent.
   6. Pressure rating: meet or exceed adjacent piping system rating.

7. System compatible with connecting pipe; verify connecting pipe O.D.

D. Manufacturers:
1. ROMAC Industries, Inc.
2. Smith-Blair
3. Approved Equivalent

2.4 DISMANTLING JOINTS

A. Use: Potable water.

B. Type:
1. Flange Spool (3-12 inch): AWWA Class D steel ring flange, compatible with ANSI Class 125 and 150 bolt circles. Pipe is STD Weight Class per ASTM A53.
2. End Ring & Body (3-12 inch): ASTM A536 65-45-12 ductile iron.
3. Gaskets: NBR gaskets in accordance with ASTM D 2000 MBA810Z.
4. Bolts & Nuts: ASTM A588 HSLA bolt material.
5. Tie-Rods: High tensile steel per ASTM A193 grade B7.
6. Coating: Fusion bonded epoxy, NSF 61 certified.
7. Pressure (3-12 inch): Maximum rating, AWWA Class D 175 psig.

C. Size: Per plan.

D. Manufacturer:
1. Romac Industries, Inc. Model DJ400
2. Smith-Blair, Inc.
3. Substitutions: Section 01 60 00 - Product Requirements.

2.5 RESTRAINED JOINTS FOR DUCTILE IRON PIPING

A. Materials: Ductile Iron, ASTM A536.

B. Coating: Thermoset epoxy coating with heat cure, or approved equivalent.

C. Pressure rating: minimum working pressure rating equivalent to the pipe.

D. Bell Restraint Harness for Ductile Iron Pipe:
1. EBAA Iron, Inc., Series 1700.
2. Romac Industries, Inc., 600 Series, Style 611.
3. StarGrip Series 3100S or 3100P.
4. Approved Equivalent.

E. Mechanical Joint Fittings for Ductile Iron:
1. EBAA Iron - Series 1100.
2. StarGrip Series 3000.
3. Romac Industries, Inc. - Romagrip.
4. Substitutions: Section 01 60 00 - Product Requirements.

2.6 RESTRAINED JOINTS FOR POLYVINYL CHLORIDE PIPING

A. Bell Restraint Harness for C900:
1. EBAA Iron, Inc., Series 1600.
2. Romac Industries, Inc., 600 Series, Style 611.
3. StarGrip Series 4100P.
4. Approved Equivalent.

B. Mechanical Joint Fittings for C900 and C905:
   1. EBAA Iron, Inc., Series 2000PV.
   2. Romac Industries, Inc., PVC – RomaGrip.
   3. StarGrip Series 4000.
   4. Approved Equivalent.

2.7 SERVICE PIPING AND FITTINGS
   1. Brass Piping and Associated Fittings:
      a. Pipe, ASTM B43/, lead free.
      b. Fittings, ASTM B584, ANSI/ASME B16.15, lead free. Compression or threaded.
   2. Copper Tubing: Type K; ASTM B280, ASTM B306, ASTM B819, ASTM B88
   3. Insulating Joints:
      a. Joints between pipe of dissimilar metals shall have a suitable approved type of insulating joint prevent metal-to-metal contact between adjacent sections of piping.
   4. Service Saddles:
      a. Materials: Bronze and stainless steel nylon coated of the double strap type.
      b. Saddle shall be stamped for use with ductile iron or PVC pipe.
      c. Manufacturer:
         1) Romac 202N.
         2) Mueller BR2B or BR2S.
         3) Substitutions: Approved Equivalent
   5. Tapping Sleeves:
      a. Material: Stainless steel
      b. Sleeve must be compatible with pipe type.
      c. Manufacturers:
         1) Dresser: Style 630.
         2) Ford: FTSS
         3) JMC: 415, 432
         4) Mueler: H-615, H-616 or H-667
         5) American Flow Control: MJ Split Tapping Sleeve
         6) Smith-Blair: 664-665
         7) APAC Tapping Sleeve
         8) Clow Corp: MJ, F-5093 or F-5205
         9) M&H Valve and Fitting Co.: Catalog 52, Style 974
         10) U.S. Pipe: Smith Dual Compression Seal Tapping Sleeve.
         11) Substitutions: Approved Equivalent
   6. Corporation Stops:
      a. Materials: Bronze conforming to AWWA C800 and ASTM B62.
      b. Manufacturer:
         1) Ford FB500, FB1000-6-Q-NL
         2) Jones J1943, E19375SG
         3) McDonald 74701BQ.
         4) Mueller B-25008N.
         5) Substitutions: Approved Equivalent.
   7. Angle Meter Ball Valve:
      a. Materials: Bronze conforming to AWWA C800 and ASTM B62.
      b. Manufacturer:
         1) Ford
         2) Jones
         3) McDonald
         4) Mueller
         5) Substitutions: Approved Equivalent.
   8. Water Meters:
      a. Size: Size per plan.
      b. Type: Disc
      c. Material: Cast Bronze.

d. Accessories: Strainer.
e. Connection: NPT Threaded.
f. Gage: Gallons
g. Manufacturer: BadgerMeter, Inc.
h. Model: Recordall
i. Substitutions: Require approval of the Engineer.

9. Water Meter Boxes and Lids:
   a. Manufacturer: Oldcastle Precast per Section 33 05 17.
   b. Size: As required to provide 6 inches clear around meter or other appurtenance.
   c. Substitutions: Approved Equivalent.

2.8 FIRE HYDRANTS

A. Provide only wet-barrel type hydrants, AWWA C503 or UL 246 compliant.

B. Hydrant shall have factory-applied prime coat of paint and a field-applied polyurethane top coat.

C. Hydrants shall have 6 inch inlet, one 4-1/2 inch pumper connection and two, 2-1/2 inch hose connections.

D. Pumper connection and hose connections shall be individually valved with independent nozzle gate valves.

E. Each outlet shall be independently valved with 1-1/8 inch pentagon operating nut on the valve cap.

F. Hydrant shall be complete with 6-inch bury length (bury to suit depth of water main connection as indicated on the Drawings).

G. Hydrants shall be supplied with 'break-away' type bolts at hydrant base connection to the break-off check valve.

H. Bolts shall be oriented such that nut is on the top side of the hydrant flange.

I. Hydrant shall be equipped with a break-off check valve.
   1. Clow Model LP619
   2. Approved Equivalent.
   3. Substitutions: Section 01 60 00 - Product Requirements.

J. Hydrant Manufacturers:
   1. Clow Model 950 or 960.
   2. Approved Equivalent.
   3. Substitutions: Section 01 60 00 - Product Requirements.

2.9 TRACER WIRE

A. Manufacturers:
   1. Pro-Line
   2. Substitutions: Section 01 60 00 - Product Requirements.

B. Characteristics:
   1. Type: THWN
   2. Gage: No. 12
   3. Materials: Copper conductor, PVC insulation, nylon jacket.

2.10 WARNING TAPE

A. Tape shall be an inert plastic film (non-metallic) formulated for prolonged underground use that will not degrade when exposed to alkalies, acids and other destructive substances commonly found in soil.

B. Tape shall be puncture-resistant and shall have an elongation of two times its original length before parting.

C. Tape shall be installed with the printed side up and run continuously along the entire length of the utility intended for identification. Tape shall be installed on the main piping and all appurtenant laterals, including blowoffs, air valve assemblies, fire hydrants, and services. Tape splices shall overlap a minimum of twenty-four (24) inches for continuous coverage.

D. Tape shall be colored blue to identify the waterline with printed message: "Caution: Waterline Buried Below". Ink used to print messages shall be permanently fixed to tape and shall be black in color with message printed continuously throughout.

E. Tape shall be minimum 0.004 inches (or 4 mil) thick x six (6) inches wide with a printed message on one side. Tape used with the installation of onsite potable shall be a minimum of three (3) inches wide.

2.11 BEDDING AND COVER MATERIALS

A. Unless otherwise specified or shown, all material used for pipe embedment shall be as specified in Section 31 23 00, "Trench Excavation and Backfill."

B. For pipe bedding and backfill, refer to Section 31 00 00, "Earthwork."

2.12 GATE VALVES

A. Resilient Wedge Gate Valves: AWWA C509.
   1. Body Material: ductile iron.
   2. Working Pressure: 250psig.
   3. Seat: Resilient.
   4. Stem: Non-rising bronze stem.
   5. Underground Installation: Operating Nut: 2-inch square; open counterclockwise unless otherwise indicated.
   6. Aboveground Installation: Hand wheel.
   7. Ends: Mechanical joint end connections for underground installation. Flanged joint end connections for aboveground installation.
   8. Coating: 12-mil holiday-free epoxy AWWA C550; interior/exterior.
   9. Bolting: 304 stainless steel.

B. Manufacturers:
   1. Mueller Company.
   2. Clow Eddy – Iowa.
   3. American Flow Control.
   4. Substitutions: Section 01 60 00 - Product Requirements.

2.13 PRESSURE REDUCING VALVE

A. Pressure Reducing Valve:
   1. Body Material: ductile iron.
   2. Working Pressure: 300psig.

3. Trim: Bronze
4. Disc: Buna-N Rubber
5. Ends: Flanged.
6. Diaphragm: Nylon Reinforced Buna-N Rubber
7. Stem: Stainless Steel
8. Coating: 12-mil holiday-free epoxy AWWA C550; interior/exterior.
9. Bolting: 304 stainless steel

B. Manufacturer:
1. Cla-Val Co., Model No. 90-01 PBDY
2. Substitutions: Section 01 60 00 - Product Requirements.

2.14 AIR RELEASE / VACUUM VALVE

A. Size: Per plan.

B. Well Service Air Valves, Hydrostatically tested to ANSI/AWWA C512 standards.

C. Stainless steel floats, cast iron body and cover, Buna-N seat, stainless steel needle.

D. Stainless steel protection screens.

E. NSF/ANSI 61 Certified.

F. Enclosure:
1. Material: 14 gauge steel with 10 gauge steel top with one expanded metal face, 2-3 mil powder coated.
2. Base Frame made from 2"x 2" angle, 3/16" thick.
3. Stainless steel internal hinges. No exterior hinges or anchor fasteners.
4. Stainless steel recessed single lock hasp for security.
5. Exterior handles for accessibility.
6. Full access service ability.
7. Top surfaces crowned for drainage.
8. Manufacturer:
   a. Placer Waterworks, Inc. R-Model.
   b. Approved Equivalent.

G. Manufacturers:
1. ValMatic 800 Series.
2. APCO clean water air release valve.
3. Substitutions: Section 01 60 00 - Product Requirements.

2.15 BRONZE BALL VALVES

A. Materials:
1. Body: Bronze no-lead alloy conforming to AWWA C800 and ASTM B62.
2. Ball: Stainless steel.
3. Seats and Seals: Teflon.
4. 1/4 turn.
5. Suitable for potable water.

B. Handle: Straight lever handle, where shown on Drawings.

C. Manufacturer:
1. Mueller.

2. Ford.
3. Jones.
4. McDonald.
5. Watts.
6. Substitutions: Section 01 60 00 - Product Requirements.

2.16 BOLTS FOR UNDERGROUND PIPING AND VALVES

A. Bolts: ASTM A307, Grade B heavy hex head.

B. Nuts: ASTM A563, heavy hex nuts.

C. Plastic washers and sleeves for dielectric joints shall be provided.

D. All nuts and bolts shall have a fluoropolymer coating. Fluoropolymer coating for bolts and nuts shall be applied at a nominal thickness of 1 mil. and baked on. Coating shall have a minimum kinetic friction coefficient of 0.08. Coating shall be Tripac 2000 Blue Coating System, or approved equivalent.

2.17 BOLTS FOR ABOVEGROUND PIPING AND VALVES

A. Bolts for exposed flanged ductile iron and steel pipe shall be type 304 stainless steel bolting with the heavy duty type 304 stainless steel nuts (only).

2.18 PIPE HANGERS, SUPPORTS AND STEM GUIDES

A. Components:
1. Pipe Supports: provide pipe support with saddle, U-bolt, gusset, pipe adjuster, base stand, expansion anchor bolts, and all other required installation hardware.
2. Brackets and Stem Guides: provide brackets, stem guides, supports, bolts pipe clamps, and all other required installation hardware.
3. Material: stainless steel.
4. Provide copper clad for support of copper piping that is not insulated.
5. Use padded hangers for piping that is subject to scratching.

B. Manufacturer:
1. B-Line.
2. Waterman.
3. Substitutions: Section 01 60 00 - Product Requirements.

2.19 FLANGE INSULATION KITS

A. The Contractor shall provide a flange insulation kit for flanged connections between metallic pipes of dissimilar materials. Flange insulation kits shall be of the full face gasketed type for use with potable or non-potable water.

B. Manufacturer:
1. Calpico, Inc.
2. Substitutions: Section 01 60 00 - Product Requirements.

2.20 MECHANICAL SEALS AND WATERSTOPS

A. Mechanical Seals:

1. Description: Shall be modular, mechanical type for core drilled applications, consisting of inter-locking synthetic elastomeric rubber links shaped to continuously fill the annular space between the pipe and the wall opening.
2. Seal Element: EPDM.
3. Pressure Plates: Reinforced Nylon Polymer
4. Bolts, Nuts and Hardware: 316 Stainless Steel.
5. Manufacturer: Link-Seal.
6. Substitutions: Section 01 60 00 - Product Requirements.

B. Silicone Sealants: High-performance waterproof silicone sealant specifically designed for below grade and submerged applications.

C. Waterstops:
1. See Section 03 30 00.
2. Substitutions: Section 01600 - Product Requirements.

2.21 NON-SHRINK GROUT

A. Pre-mixed ready for use formulation requiring only addition of water; non-shrink, non-corrosive, non-metallic, non-gas forming, no chlorides.

B. Properties: Certified to maintain initial placement volume or expand after set and meet the following minimum properties when tested in accordance with CRD-C621, for Type D non-shrink grout:

Property	Test	Time	Result
Setting Time	ASTM C191	Initial	2 hours (Approx)
		Final	3 hours (Approx)
Expansion			0.10% - 0.4% Maximum
Compressive Strength	CRD-C621	1 day	4,000 psi
		7 days	7,000 psi
		28 days	10,000 psi to 10,800 psi

2.22 PRESSURE GAUGES

A. Provide on sampling taps.

B. Lead free brass/bronze wetted parts.

C. Stainless steel case material.

D. Size: ¼"

E. Manufacturer:
1. Winters Model PFQ804LF.
2. Substitutions: Section 01 60 00 - Product Requirements.

2.23 ACCESSORIES

A. Requirement: Provide one (1) electronic utility locator / detector capable of detecting buried utilities.

B. Detection Depth: Up to 15 feet.

C. Power: 4 C-cell batteries or optional 18V Battery Adapter.

D. Sonde Frequencies: 512 Hz, 640 Hz, 874 Hz, 33 kHz.

E. Line Trace Frequencies: 128 Hz, 8 kHz, 33 kHz.

F. System carry bag.

G. Warranty: Lifetime warranty for defects in workmanship and materials.

H. Manufacturer:
   1. RIGID 19238 NaviTrack Scout Locator.
   2. Substitutions: Section 01 60 00 - Product Requirements.

~~2.23~~2.24 RECYCLED WATER SYSTEM LABELING

A. Below Grade Pipe:
   1. Pipe Color: Purple
   2. Pipe Label: "RECYCLED WATER - DO NOT DRINK"
   3. Label Location: Opposite sides of the pipe.
   4. Where purple pipe cannot be used, the pipes shall be installed with warning tape. The plastic warning tape shall be an inert plastic film specifically formulated for prolonged underground use and shall be prepared with black printing on a purple field having the words, "RECYCLED WATER - DO NOT DRINK". The minimum thickness shall be 4 mils and the overall width of the tape shall be a minimum of 3-inches.

B. Above Grade Pipe:
   1. All above grade recycled water mains and appurtenances shall be coated in accordance with Section 09800, "Protective Coatings."
   2. Pipe Color Coding: "Irvine Purple," Pantone 240, 241, or 512.
   3. Pipe Label: "RECYCLED WATER - DO NOT DRINK".
      a. Color: Black
      b. Stenciled letters: 2-inches in height.
      c. Location: Top and bottom of the pipe at 5-foot intervals.

C. ARVs and Enclosures:
   1. Coating: Section 09800 - Protective Coatings.
   2. Color: "Irvine Purple," Pantone 240, 241, or 512.
   3. Label: "RECYCLED WATER - DO NOT DRINK".
   4. Stenciled letters: 2-inches in height.

D. Fire Hydrants:
   1. Coating: Section 09800 - Protective Coatings.
   2. Color:
      a. Body: White
      b. Cap and Nozzles: "Irvine Purple," Pantone 240, 241, or 512.

E. Identification Tags and Labels:
   1. Material: Permanent inert material specifically formulated for prolonged exposure to weather, UV, and immersion without fading or deterioration
   2. Label: Black printing on a purple field with the words: "WARNING - RECYCLED WATER - NOT FOR DRINKING" on one side and "AVISO - NO ES PARA BEBER" on the other side.
   3. Size: The minimum height of letters shall be 1/2-inch. The minimum tag thickness shall be 4 mils for adhesive backed labels and 10 mils for tag type labels. Tag type labels shall have reinforced tie holes.

4. Submit sample of each label type to Engineer for approval prior to procuring labels.
5. The type of label, location and attachment method shall be as follows and subject to acceptance by the Engineer:

Item	Label Type	Label Location	Attachment Method
Valve (below grade)	Tag	Top of riser pipe	Heavy-duty nylon fasteners
Valve (above grade)	Tag	Hand wheel	Heavy-duty nylon fasteners
Valve Box	Lettering	Top of cover	Factory Cast
ARV	Tag	Front of cabinet	Rivets or bolts
Blow-off	Tag	Top of riser pipe	Heavy-duty nylon fasteners
Blow-off Box	Lettering	Top of cover	Factory Cast
Meter Box	Lettering	Top of cover	Factory Cast
Angle Meter Valve	Tag	Valve body	Heavy-duty nylon fasteners
Backflow Assembly	Tag	Valve body	Heavy-duty nylon fasteners

PART 3 EXECUTION

3.1 EXAMINATION

A. Section 01 30 00 - Administrative Requirements: Verification of existing conditions before starting work.

B. Verify existing utility water main size, location, and inverts are as indicated on Drawings.

3.2 PREPARATION

A. Cut pipe ends square, ream pipe and tube ends to full pipe diameter, remove burrs. Use only equipment specifically designed for pipe cutting. Use of chisels or hand saws will not be permitted. Grind edges smooth with beveled end for push-on connections.

B. Remove scale and dirt on inside and outside before assembly.

C. Prepare pipe connections to equipment with flanges or unions.

3.3 BEDDING AND BACKFILL

A. For pipe bedding and backfill, refer to Section 31 00 00, "Earthwork."

B. Maintain optimum moisture content of bedding material to attain required compaction density.

3.4 INSTALLATION - PIPE

A. Install pipe in accordance with manufacturer's installation instructions. Provide copy of manufacturer's installation instructions to Engineer.

B. Install ductile iron pipe in accordance with manufacturer's instructions and AWWA C600.

C. Install PVC pipe in accordance with manufacturer's instructions and AWWA C900.

D. Maintain separation from potable water main in accordance with State of California Department of Public Health and Division of Drinking Water code.

E. Install pipe to indicated elevation to within tolerance of 5/8 inches.

F. Install tracer wire on the top of the installed pipe. Tape tracer wire to pipe at minimum 10 foot intervals.

G. Route pipe in straight line.

H. Curvature of PVC pipe shall be accomplished through longitudinal bending of the pipe barrel only. Deflection of joints is not allowed.

I. When curving pipe, do not deflect joints in PVC pipe. Joints in DIP may be deflected within allowable limits specified by manufacturer.

J. When stabbing bell and spigot pipe, verify that the manufacturer's assembly mark on the pipe joint is flush with the end of the bell.

K. Install pipe with no high points, except where shown on Plans. If unforeseen field conditions arise which necessitate high points, install air release valves as directed by Engineer.

L. Install pipe to have bearing along entire length of pipe. Excavate bell holes to permit proper joint installation. Do not lay pipe in wet or frozen trench.

M. Install pipe to allow for expansion and contraction without stressing pipe or joints.

N. Close pipe openings with watertight plugs during work stoppages.

O. Install access fittings to permit disinfection of water system.

P. Form and place concrete for thrust restraints at each elbow or change of direction of pipe main.

Q. Establish elevations of buried piping with not less than 4 feet of cover. Measure depth of cover from final surface grade to top of pipe barrel.

R. Install pipe warning tape continuous over top of pipe buried 12 inches below finish grade, above pipe line.

3.5 INSTALLATION - VALVES

A. Gate Valves: Install valves per Plan.

B. Set valves on solid bearing compacted soil.

C. Center and plumb valve box over valve. Set box cover flush with finished grade.

D. Install tracer wire from pipe on both sides of valve into PVC riser and to within 2 inches of the top of the valve box.

3.6 POLYETHYLENE ENCASEMENT

A. Encase ductile iron pipe fittings in polyethylene to prevent contact with surrounding backfill material.

B. Install in accordance with AWWA C105.

C. Terminate encasement 3 to 6 inches above ground where pipe is exposed.

3.7 PIPE SLEEVES:

A. Install where water lines pass through retaining walls, building foundations and floors. Seal with modular mechanical type link seal. Install piping so that no joint occurs within a sleeve. Split sleeves may be installed where existing lines pass through new construction.

3.8 THRUST RESTRAINT

A. Install clamps, set screw retainer glands, or restrained joints. Protect metal restrained joint components against corrosion by applying a bituminous coating, or by concrete mortar encasement of metal area. Do not encase pipe and fitting joints to flanges.

B. Install thrust blocks as shown on the Drawings. Concrete for thrust blocks shall be in accordance with Section 03 05 00 Basic Concrete Materials.

3.9 WATER METERS

A. Install water meter box and water meter per Drawings.

3.10 HANGER AND SUPPORT INSTALLATION

A. Pipe Hanger Installation: Comply with MSS SP-69 and MSS SP-89. Install hangers, supports, clamps, and attachments as required to properly support piping from building structure.

3.11 PRESSURE TESTING

A. Prior to acceptance of the Work by the District, the Contractor shall perform pressure testing on potable water distribution systems in accordance:
   1. AWWA C600 for ductile iron pipe.
   2. AWWA C605 for PVC pipe.
   3. AWWA C901 for Polyethylene pressure pipe.

B. Prior to acceptance and initial operation, inspect and test the piping system to ensure that the design, materials, fabrication, and installation are in accordance with these specifications.

C. Test piping prior to being enclosed, covered-up, or treated externally with insulation, tape wrapping, mastic coating, and like treatments, unless noted otherwise in other sections.

D. When existing water mains are used to supply test water, they shall be protected from backflow contamination by temporarily installing a double-check-valve assembly between the test and supply main or by other approved means. Before pressure testing, the temporary backflow protection shall be removed and the main under test isolated from the supply main.

E. Notify the Engineer at least 48 hours prior to testing, and conduct tests in the presence of Engineer.

F. Piping systems shall show no pressure loss, unless noted otherwise, while being tested in accordance with this section. When leakage or other defects are located, repair or replace the affected portion of the piping system and retest. In the event repairs, replacement, or additions are made following the pressure test, retest the affected piping. In the case of very minor repairs, replacement, or additions, the Engineer may, solely at its discretion, omit retesting provided precautionary measures are taken to assure sound construction.

G. When tests indicate Work does not meet specified requirements, remove Work, replace and retest at the Contractor's expense.

H. General Test Procedures:
   1. All valves shall be in full-open position during the test. Do not include components (gauges, relief valves, instrumentation, and like items) as part of the tests that are not rated for the testing pressure.
   2. Do not attempt to modify a piping system when it is pressurized, including tightening leaking joints. Do not repair, replace, or retighten leaking joints or components until the pressure has been reduced to ambient level.
   3. Measure test pressure with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate the maximum test pressure. Record pressure loss due to leakage during the pressure test period while the system is pressurized but isolated from the pressure source.
   4. Test at a minimum of 150 percent of their maximum sustained working pressure using clean water. The test allowance shall not be less than the amount determined using AWWA C605 for any segment of pipe tested. The Engineer must witness hydrostatic testing. The test pressure shall be not less than the following values, irrespective of the design maximum allowable working pressure:
      a. Maximum Sustained Working Pressure: 167 psi
      b. Test Pressure: 250 psi (minimum)
      c. Test duration: 2 hours (minimum)
   5. Prepare test records of inspection and tests performed. Indicate which portions of the piping system are in accordance these specifications. Briefly document test procedures, instruments and media used, and test pressures. Before requesting final approval of a piping installation, submit copies of test records for Engineer's approval.

3.12 FIELD QUALITY CONTROL

A. Section 01 40 00 - Quality Requirements: Field inspecting, testing, adjusting, and balancing.

B. Compaction Requirements: In accordance with Section 31 23 00.

C. When tests indicate Work does not meet specified requirements, remove Work, replace and retest at the Contractor's expense.

END OF SECTION

SCHEDULE OF BID PRICES
Recycled Water Project

Basis of Bid

A. For the determination of the apparent low Bidder, the total amount for each Bid shall be the sum of the Base Bid Schedules A through G. The low Bidder shall be that which results in the lowest total amount for all the Work in Base Bid Schedules A through G.
B. Owner may award some or all Base Bid Schedules A through G.
C. Owner may award Alternate Bid Schedule H.

Base Bid – Schedule A: Recycled Water Expansion

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
A-1	Mobilization and Demobilization (5% of Construction Subtotal)	LS	1		
A-2	Water Pollution Control (1% of Construction Subtotal)	LS	1		
A-3	Temporary Traffic Control (3% of Construction Subtotal)	LS	1		
A-4	Trench Sheeting, Shoring and Bracing (Recycled Water, 3% of RW Pipe)	LS	1		
A-5	8-Inch Open-Trench RW Main, AC Pavement Surface Restoration	LF	3,330		
A-6	2-Inch Open-Trench RW Service, AC Pavement Surface Restoration	LF	140		
A-7	1-Inch Open-Trench RW Service, AC Pavement Surface Restoration	LF	100		
A-8	2-Inch Meter and Backflow Assembly	EA	5		
A-9	1-Inch Meter and Backflow Assembly	EA	2		
A-10	8-Inch Gate Valve	EA	11		
A-11	Permanent Blowoff	EA	2		
A-12	1-Inch Air Release/Vacuum Valve	EA	2		
A-13	Fire Hydrant (elbow, thrust block, riser pipe, break-off CV/flange, hydrant)	EA	5		

Mendocino City Community Services District
10500 Kelly Street • PO Box 1029 • Mendocino, CA 95460
Phone: 707.937-5790 Fax: 707.937.3837 http://www.mccsd.org

Recycled Water Expansion Project

Addendum No. 2

November 18, 2026

The following is Addendum No. 2 to the Mendocino City Community Services District – Recycled Water Expansion Project.

IF YOU SUBMIT A PROPOSAL, ACKNOWLEDGMENT OF THIS ADDENDUM MUST BE SHOWN ON THE BID PROPOSAL FORM, OR IT MAY BE DEEMED AS NON-RESPONSIVE.

This Addendum is hereby made part of the Contract Documents to the same extent that it were originally included therein.

Questions and Answers (listed in order received):

Question 1: Please clarify the NEMA rating of the two meter pedestals. NEMA 3 R or NEMA 4X.

Response 1: The NEMA rating shall be 3R minimum, listed and labeled for outdoor/wet-location installation, with meter socket configuration and service rating acceptable to PG&E.

Question 2: On sheet C-402 the plans show a 13x24 pull box in Little Lake St with no other information regarding the box. Typically PG&E will require a specific type of box. Please provide a PG&E code for this box.

Response 2: Provide a PG&E-approved 8,000-lb polymer-concrete cover, installed in accordance with PG&E Standard 028028.

Question 3: Where does the irrigation controller at MCCSD get 120 volt power from?

Response 3: Power is provided by the new PG&E service, which is shown on Drawing C-101.

Question 4: There is no irrigation controller shown at Hillcrest is that correct?

Response 4: Correct.

Question 5: Where does the irrigation controller at Heider get 120 volt power from?

Response 5: Power is provided by the new PG&E service, which is shown on Drawing C-402.

Question 6: There is no irrigation controller shown at Evergreen. Is that correct?

Response 6: Correct.

Question 7: Will a square/rectangular top with the hatch cast into it be acceptable for the Wet Well? Precasters can not quote this as circular due to size limitations on their circular forms.

Response 7: Provide a circular reinforced concrete top with the access hatch cast in. A detail for a cast-in-place construction is added to Drawing C-502.

Question 8: No listed work hours in the spec. Please confirm same as last project (i.e. 7A-3:30pm).

Response 8: Regular working hours are stated in Section 7.03.E.1 of the Standard General Conditions. They are 7 am – 5 pm.

Question 9: No listed traffic control times in the spec. Please confirm same as last project or provide revised times.

Response 9: Traffic control times shall correspond with regular working hours, unless approved otherwise by the Mendocino County Department of Transportation.

Question 10: Please provide cost for MCCSD Sewer Discharge permit, if needed, to discharge ground water and hydrostatic testing water into the sewer.

Response 10: MCCSD will issue a no-cost sewer discharge permit, if needed, to discharge ground water and hydrostatic testing water into the sewer.

Question 11: Specs list "Earthwork" as being limited to May 15-Oct15 (spec page 31 25 00 – 2). Please confirm this project is not limited to these work dates as this isn't a true 'earthwork' project, but a 'trenching excavation' project.

Response 11: The work is not limited to the dates of May 15 to October 15. Perform work between October 15 and May 15 under an approved Water Pollution Control Plan.

Question 12: Please confirm when this project will award and when expected start date is.

Response 12: A Notice of Award is expected to be issued by December 4, 2026. The estimated Notice to Proceed date is after December 14, 2026, and as soon as the State Water Board funding agreement is amended and the Mendocino County Amended Coastal Development Permit is approved.

Question 13: Erosion Control spec lists ESA fence, silt fence, waddles/fiber rolls, etc BMP's with a statement "as shown on plans". No BMP measures are shown on the plans. Please confirm desired BMP measures.

Response 13: Provide BMPs as necessary to prevent erosion from work activities. Anticipated applicable BMPs include ESA / construction fences, silt fences, waddles / fiber rolls and other measures as necessary and described in Section 31 25 00 and the Contractor's approved Water Pollution Control Plan.

Question 14: Detail 3/C-502 shows a gate valve with an accompanying valve box for the water service with meter. Specs (page 33 11 00 – 8) have this service built as a saddle with a corp stop, which is typical construction. It is not standard practice to have a valve box for a corp stop. Please confirm that a valve box is only needed at an actual gate valve, in this case only the ones listed as Bid Item A-10.

Response 14: Provide gate valves in valve boxes with tapping service saddle for 2-inch and larger recycled water services. Refer to similar City of Santa Rosa Standard Detail 865-A. 1-inch recycled water services shown on the Drawings are to be provided in accordance with City of Santa Rosa Standard 861.

Question 15: Per Add1, Spec Section 33 11 00 Recycled Water Utilities 2.23 Accessories, please confirm Contractor is to only furnish one (1) electronic utility locator/detector to the Agency/Municipality and no additional locating work with this new piece of equipment is to be assumed by the Contractor.

Response 15: Confirmed.

Question 16: Please provide or direct me to the City of Santa Rosa standard details, I am unable to find them online.

Response 16: City of Santa Rosa standards are available online at https://www.srcity.org/2321/Design-Construction-Standards

Question 17: Sheet C107 has two call outs for additive bid alt 1. Please confirm this is the H-1 additive item and confirm that it includes everything from station 40+00 to 41+50.

Response 17: Additive Bid Alternate Schedule H extends the recycled water main approximately 150 feet between STA 40+00 to STA 41+47.88.

Question 18: The plan sheet keynotes on C110 call out all the sewer line work as bid schedule G. Please confirm this is an error.

Response 18: The work on C-110 is paid under Schedule F.

Question 19: The bid schedule item F-5 calls for five new two-way cleanouts when there is seven laterals being reconnected. These are not shown on the plans, and no detail is provided. Please advise.

Response 19: Provide new cleanouts on the sewer laterals that are reconnected on the east side of the main only similar to City of Santa Rosa Standard 513-A.

Question 20: Please confirm the sewer size on C110. The bid form and profile view says 6" sewer main, sheet C110 keynotes says 8".

Response 20: The sewer size on C-110 is 6 inch.

Question 21: Please confirm that we are only required to reconnect the sewer laterals on sheet C110 to the new 8" or 6" line in Evergreen St and will not have to chase them back any further than that as indicated by 4" SS lines shown on the plans.

Response 21: See response to Question 19. The design intent is to provide the cleanout within 5-ft of the main.

Revised Contract Provisions:

1. Revised bid forms are included.

Revised Technical Specifications:

None

Revised Drawings:

The following revised drawings are included with this addendum:

1. Drawing C-101 is revised to clarify PG&E service requirements.
2. Drawing C-107 is revised to clarify bid schedule.
3. Drawing C-110 is revised to clarify main size, north arrow orientation, sewer lateral requirements and bid schedule.
4. Drawing C-402 is revised to clarify PG&E service requirements.
5. Drawing C-501 is revised to clarify Detail 2 surface restoration requirements
6. Drawing C-502 is revised to clarify Detail 1 fire hydrant color requirements.
7. Drawing C-503 is revised to clarify Detail 5 the depth of the wet well and referencing a new wet well cover detail on new Drawing C-504.
8. Drawing C-504 is added showing the details of the new wet well cover including davit crane sleeve and lifting hooks. The davit crane sleeve will be field located and installed.

All other terms and conditions remain in full force and effect.

Ryan Rhoades
Superintendent

BID PROPOSAL

Recycled Water Expansion Project

Bidder's Name: Ghilotti Construction Company, Inc.

TO MENDOCINO CITY COMMUNITY SERVICES DISTRICT (the "DISTRICT" or "OWNER"):

In accordance with District's Notice Inviting Bids, the undersigned Bidder hereby proposes to furnish all materials, equipment, tools, labor, and incidentals required for the above stated project as set forth in the Contract Documents, and to perform all work in the manner and time prescribed.

Bidder declares that this proposal is based upon careful examination of the work site, Project Plans, and other Contract Documents, including the Notice Inviting Bids, this Proposal, the Contract, Special Provisions or Conditions, Technical Provisions, General Conditions, Appendices, and Standard Plans & Specifications. If this proposal is accepted for award, Bidder agrees to enter into a contract with the District at the unit and/or lump sum prices set forth in the following Bid Schedule. Bidder understands that failure to enter into a contract in the manner and time prescribed will result in forfeiture to the District of the Bid Security accompanying this proposal.

Bidder understands that a bid is required for the entire work, that the estimated quantities set forth in the Bid Schedules are solely for the purpose of comparing bids, and that final compensation under the contract will be based upon the actual quantities of work satisfactorily completed. It is agreed that the unit and/or lump sum prices bid include all appurtenant expenses, federal, state and local taxes, royalties, and fees. In the case of discrepancies in the amounts bid, unit prices shall govern over extended amounts.

Bidder agrees and acknowledges that it is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and that the Bidder will comply with such provisions of that code before commencing the performance of this Contract if awarded it.

Bidder certifies to be properly licensed by the State of California as a contractor to perform work of this specialty. The undersigned agrees to furnish the District satisfactory proof of ability to perform the work, as well as records of performance of similar jobs completed recently, if and when requested to do so by the Project Manager.

Bidder agrees that the applicable insurance and bonding requirements can and will be fulfilled.

Bidder declares that the only persons or parties interested in this proposal as principals are those named herein; that no officer, agent, or employee of the District is personally interested, directly or indirectly, in this proposal; that this proposal is made without connection to any other individual, firm, or corporation making a bid for the same work; and that this proposal is in all respects fair and without collusion or fraud.

Bidder certifies that in all previous contracts or subcontracts, all reports which may have been due under the requirements of any District, State, or Federal equal employment opportunity orders have been satisfactorily filed, and that no such reports are currently outstanding.

Bidder certifies to have verified that it and all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Bidder shall provide proof of registration for both itself and all subcontractors to the District.

Bidder agrees that it and all subcontractors used on the public work project shall furnish payroll records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.

Bidder certifies that it and all subcontractors used on this public work project are in compliance with California Air Resources Board's In-Use Off-Road Diesel-Fueled Fleets Regulations (Cal. Code Regs., title 13, section 2449), and Bidder shall provide a valid Certificate of Reported Compliance for Bidder's own fleet and for any subcontractors' fleet, unless exempt from the regulations.

Bidder shall guarantee all work for a period of one year from project acceptance.

Bidder has carefully checked all of the figures in the Bid Schedule and understands that the District shall not be responsible for any errors or omissions on Bidder's part in making up this bid. Bidder agrees that this bid may not be withdrawn for a period of sixty (60) calendar days from the date of the bid opening and that the District reserves the right to reject any or all bids, waive any informality in bids received, and may at its option make the award that in the judgment of the District is to the best interest of the District.

The following documents have been completed and executed, and are made a part of this Contract by reference:

- ❑ DEPARTMENT OF INDUSTRIAL RELATIONS REGISTRATION
- ❑ DEBARMENT CERTIFICATION
- ❑ OFF ROAD REGULATIONS ASSURANCES
- ❑ BID SCHEDULE
- ❑ ADDENDA ACKNOWLEDGEMENT
- ❑ NON-COLLUSION AFFIDAVIT
- ❑ DESIGNATION OF SUBCONTRACTORS
- ❑ CONTRACTOR LICENSE INFORMATION
- ❑ BIDDER RESPONSIBILITY STATEMENT
- ❑ BIDDER'S SIGNATURE PAGE
- ❑ BIDDER'S BOND

DEPARTMENT OF INDUSTRIAL RELATIONS REGISTRATION

Recycled Water Expansion Project

The District has the obligation to report this contract to the Department of Industrial Relations ("DIR") and provide various information including that specified below. For the purposes of this document, you are referred to as "Contractor." In addition to filling out this form for the District, you have the obligation to submit certified payroll records directly to DIR.

Contractor Name:	Ghilotti Construction Company, Inc.		
Contractor Mailing Address:	246 Ghilotti Avenue, Santa Rosa, CA 95407		
Contractor E-mail Address:	tom@ghilotti.com		
Contractor Telephone:	(707) 585-1221		
Contractor License Number:	644515		
DIR Registration Number:	1000003044		
Classification(s) or type(s) of workers that will be employed by the contractor for this project:	A, C8, C12, C21, C42, HAZ		
Subcontractors:	License Number:	DIR Number:	Worker Classifications:

I certify that the information set forth above is correct and that I am authorized to provide this information on behalf of the contractor named in the first line above.

(Signature) Date

Thomas Smith, Vice President of Estimating

(Printed Name)

DEBARMENT CERTIFICATION

Recycled Water Expansion Project

By submitting its bid, Bidder certifies, in accordance with California Public Contract Code section 6109, that neither the Bidder nor any subcontractor included on the list of proposed subcontractors submitted with the bid is ineligible to perform work on public works projects pursuant to California Labor Code sections 1777.1 or 1777.7. In accordance with California Public Contract Code section 6109, contractors and subcontractors who are ineligible to perform work on public works projects pursuant to California Labor Code sections 1777.1 or 1777.7 may neither bid on, be awarded, or perform as a subcontractor on public works projects.

CONTRACTOR OFF-ROAD REGULATION ASSURANCES

The District requires that all work done on its property or otherwise on behalf of the District is performed in accordance with the State's environmental health and safety laws, codes and regulations. To this end, please check the appropriate boxes and provide information as required below related to compliance with California Air Resources Board (CARB) Off-Road Diesel-Fueled Fleets Regulations. The District will not approve this Contract until this form has been completed. This form must be updated annually or anytime changes occur. Contractor agrees to provide the District with any documents referenced below within one business day of the request. Information on these Regulations is available here: https://ww2.arb.ca.gov/our-work/programs/use-road-diesel-fueled-fleets-regulation

Contractor Name: Ghilotti Construction Company, Inc.

In the performance of this Contract, does Contractor propose to use vehicles subject to 13 CCR 2449, the In-Use Off-Road Diesel-Fueled Fleets Regulation?

YES ☑ NO ☐

If the answer in above is **NO**, Contractor does not need to check any boxes for items 1, 2, and 3 below and no further information is required.

If the answer above is **YES:**

A. Contractor must check YES or N/A, as applicable, for items 1, 2, and 3 below.

B. If no exemption from these Regulation requirements applies, Contractor must provide to the Agency: (1) a valid Certificate of Reported Compliance for its fleet, and (2) valid Certificates of Reported Compliance for fleets of any subcontractors.

C. If an exemption from these Regulation requirements does apply, Contractor must provide the Agency with detailed documentation identifying the exemption and supporting the applicability of the exemption.

D. If Contractor asserts that the emergency operations exemption applies, Contractor must provide: (1) a description of the emergency, (2) the address or description of the specific location where Contractor performed work to address the emergency, (3) the dates on which the emergency work was performed, and (4) an attestation by the Contractor that the vehicles operated on the project were only used to carry out emergency work.

Please respond YES or N/A for each item below.	YES	N/A	
1. Contractor has provided the Agency with a copy of a valid Certificate of Reported Compliance for Contractor's own fleet.	X	☐	(check N/A if exemption applies)
2. Contractor has provided the Agency with a copy of a valid Certificate of Reported Compliance for any subcontractors' fleet.	X	☐	(check N/A if exemption applies or there are no subcontractors)
3. Contractor has provided the Agency with documentation supporting a claimed exemption to the Off-Road Regulation.	X	☐	(check N/A if no exemption applies)

SCHEDULE OF BID PRICES
Recycled Water Project

Basis of Bid

A. For the determination of the apparent low Bidder, the total amount for each Bid shall be the sum of the Base Bid Schedules A through G. The low Bidder shall be that which results in the lowest total amount for all the Work in Base Bid Schedules A through G.
B. Owner may award some or all Base Bid Schedules A through G.
C. Owner may award Alternate Bid Schedule H.

Base Bid – Schedule A: Recycled Water Expansion

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
A-1	Mobilization and Demobilization (5% of Construction Subtotal)	LS	1		
A-2	Water Pollution Control (1% of Construction Subtotal)	LS	1		
A-3	Temporary Traffic Control (3% of Construction Subtotal)	LS	1		
A-4	Trench Sheeting, Shoring and Bracing (Recycled Water, 3% of RW Pipe)	LS	1		
A-5	8-Inch Open-Trench RW Main, AC Pavement Surface Restoration	LF	3,330		
A-6	2-Inch Open-Trench RW Service, AC Pavement Surface Restoration	LF	140		
A-7	1-Inch Open-Trench RW Service, AC Pavement Surface Restoration	LF	100		
A-8	2-Inch Meter and Backflow Assembly	EA	5		
A-9	1-Inch Meter and Backflow Assembly	EA	2		
A-10	8-Inch Gate Valve	EA	8		
A-11	Permanent Blowoff	EA	3		
A-12	1-Inch Air Release/Vacuum Valve	EA	2		
A-13	Fire Hydrant (elbow, thrust block, riser pipe, break-off CV/flange, hydrant)	EA	5		

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
A-14	Ford House Public Restrooms Plumbing Retrofit	LS	1		
A-15	Utility Conflict Resolution	FA	10	$6,000.00	$60,000.00
TOTAL BASE BID SCHEDULE A AMOUNT $_____ (in words)					$_____ (in figures)

Base Bid – Schedule B: MCCSD Property Irrigation System

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
B-1	MCCSD Property Irrigation System	LS	1		
B-2	MCCSD Property Irrigation Controller	LS	1		
B-3	MCCSD Property PG&E Service	LS	1		
TOTAL BASE BID SCHEDULE B AMOUNT $_____ (in words)					$_____ (in figures)

Base Bid – Schedule C: Hillcrest Cemetery Irrigation System

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
C-1	Hillcrest Irrigation System	LS	1		
TOTAL BASE BID SCHEDULE C AMOUNT $_____ (in words)					$_____ (in figures)

Base Bid – Schedule D: Heider Field Irrigation System

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
D-1	Heider Field Irrigation System	LS	1		
D-2	Heider Field Irrigation Controller	LS	1		
D-3	Heider Field PG&E Service	LS	1		
TOTAL BASE BID SCHEDULE D AMOUNT $_____ (in words)					$_____ (in figures)

Base Bid – Schedule E: Evergreen Cemetery Irrigation System

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
E-1	Evergreen Cemetery Irrigation System	LS	1		
TOTAL BASE BID SCHEDULE E AMOUNT $_____ (in words)					$_____ (in figures)

Base Bid – Schedule F: Evergreen Street Sewer Main Replacement

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
F-1	Trench Sheeting, Shoring and Bracing	LS	1		
F-2	Open-Trench 6-inch Sewer Main	LF	285		
F-3	48-Inch Sewer Manhole	EA	2		
F-4	Connect Sewer Lateral	EA	7		
F-5	Provide 2-Way Cleanout	EA	5		
TOTAL BASE BID SCHEDULE F AMOUNT $_____ (in words)					$_____ (in figures)

Base Bid – Schedule G: Main Street Sewer Lift Station Improvements

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
G-1	Main Street Sewer Lift Station Improvements	LS	1		
TOTAL BASE BID SCHEDULE G AMOUNT $_____ (in words)					$_____ (in figures)

BASE BID SUMMARY

TOTAL BASE BID SCHEDULE A AMOUNT $_____ (in words)	$_____ (in figures)
TOTAL BASE BID SCHEDULE B AMOUNT $_____ (in words)	$_____ (in figures)
TOTAL BASE BID SCHEDULE C AMOUNT $_____ (in words)	$_____ (in figures)
TOTAL BASE BID SCHEDULE D AMOUNT $_____ (in words)	$_____ (in figures)
TOTAL BASE BID SCHEDULE E AMOUNT $_____ (in words)	$_____ (in figures)
TOTAL BASE BID SCHEDULE F AMOUNT $_____ (in words)	$_____ (in figures)
TOTAL BASE BID SCHEDULE G AMOUNT $_____ (in words)	$_____ (in figures)
TOTAL BASE BID AMOUNT **$**_____ **(in words)**	**$**_____ **(in figures)**

Additive Bid – Schedule H: Main Street Recycled Water Extension

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
H-1	8-Inch Open-Trench RW Main Extension, AC Pavement Surface Restoration	LF	150		
TOTAL ALTERNATE BID SCHEDULE H AMOUNT $_____ (in words)					$_____ (in figures)

CONDITIONS FOR SCHEDULE OF BID PRICES

In case of discrepancy between prices and totals, the unit prices will prevail.

It is understood and agreed that the quantities of work under each item are approximate only, being given for a basis of comparison of proposals, and the right is reserved to the District to increase or decrease the amount of work under any item as may be required, in accordance with provisions set forth in the specifications for this project.

It is further understood and agreed that the total amount of money set forth for each item of work or as the total amount bid for the project does not constitute an agreement to pay a lump sum for the work unless it specifically so states.

Bidder acknowledges receipt of the following addenda:

_____.

Bidder has reflected any changes in the addenda in this Proposal.

NON-COLLUSION AFFIDAVIT (Public Contract Code sec. 7106)

Recycled Water Expansion Project

To be Executed by Bidder and Submitted with Bid

State of California
County of Sonoma

The undersigned declares:

I am the Vice President of Estimating [title] of Ghilotti Construction Company, Inc. [bidding entity], 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 they have 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 _____ [date], at Santa Rosa, [city], CA [state].

Signature

Thomas Smith

Name

Vice President of Estimating

Title and Company

Ghilotti Construction Company, Inc.

DESIGNATION OF SUBCONTRACTORS

Recycled Water Expansion Project

The undersigned is required to fill in the following blanks in accordance with the provisions of California Public Contract Code section 4104.

Sub-Contractor Name	License Number	DIR Registration Number	Location of the Place of Business	Specific Description of Subcontract Work	$ Amount of the Sub-Contractor Work

Subcontractors listed herein must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work. The undersigned agrees to furnish proof that all contractors and subcontractors performing any work related to this improvement are complying with all the requirements of Social Security Legislation, both State and Federal, and also agrees to conform with the provisions of sections 4100 to 4113, inclusive, of the Public Contract Code, as amended, concerning subcontractors and subcontracts.

CONTRACTOR LICENSE INFORMATION

Recycled Water Expansion Project

The bidder acknowledges that the appropriate license is required for performance of this Work.

The bidder holds the following California Contractors License(s):

A, C8, C12, C21, C42, HAZ

1. License No. 644515, Class _____, Expiration Date 5/31/28
2. License No. _____, Class _____, Expiration Date _____
3. License No. _____, Class _____, Expiration Date _____
4. License No. _____, Class _____, Expiration Date _____
5. License No. _____, Class _____, Expiration Date _____

Bidder's Taxpayer Identification No.

68-0273222

BIDDER'S RESPONSIBILITY STATEMENT

Recycled Water Expansion Project

1. SCOPE OF THIS STATEMENT

To allow the District to evaluate the Bidder's responsibility, the Bidder shall provide the following information as a part of its Bid. The District shall consider the information contained in this Statement as personal and proprietary to the Bidder, and the District shall use the information for the sole purpose of determining the Bidder's responsibility. Unless otherwise compelled by a court order, the District shall not consider this Statement to be a public record; provided, however, that the Bidder shall indemnify, defend, and hold the District harmless from any claim or litigation related to the District's classification of this document as exempt from disclosure under the Public Records Act. If additional pages are required to respond to any of the questions set forth in this Statement, the Bidder shall describe and list the additional pages in Section 7, below.

2. EXPERIENCE

a. How many years has the Bidder been performing work as a contractor under the present business name?

34 years.

b. Prospective bidders shall demonstrate a minimum of 5 years of experience in constructing projects of a similar size and nature.

c. If any of the experience listed in this document refers to work performed under a different name, list the different business names, and describe the relationship to the present business name on a separate page (list the additional pages in Section 7 below).

3. COMPLETED WORK / REFERENCES

Provide the requested information set forth below for at least two (2) most recent projects of similar size and scope completed during the past three (3) years.

a. Project Name: See Attached

Project Description: _____

_____

Contract Amount: _____

Date Completed: _____

Contact Person: _____

Contact Person's Phone: _____

b. Project Name: _____

Project Description: _____

_____

Contract Amount: _____

Date Completed: _____

Contact Person: _____

Contact Person's Phone: _____

4. CLAIMS HISTORY

a. Has any claim (whether mediated, arbitrated, or litigated) been made against your company in the past five years? No

b. Has your company made any claim (whether mediated, arbitrated, or litigated) against any Public Agency or claim in the past five years? No

c. If you answered "yes" to subsections 4.a. or 4.b. above, describe the claim(s) using the format below: (use additional sheets if necessary).

Project Name: N/A

Claim Amount: _____

Other Party Contact: _____

Name and Phone: _____

Describe the claim(s) on a separate sheet (see Section 8, below).

5. CONTRACT TERMINATION

Has your company ever been terminated by a public agency or client, or rejected from bidding on a public works project in the last five (5) years? No. If yes, provide an explanation below:

Project Name: _____

Agency/Client Contact
Name and Phone: _____

Date of Termination/Rejection: _____

Explanation: _____

_____

_____

If more than one (1), describe on additional sheet (see Section 7 below).

6. COMPLETION BY SURETY

Has your company every failed to satisfactorily complete a construction contract, or has a surety ever completed any portion of a construction contract of your company within the last five (5) years? _____. If yes, provide an explanation below:

Project Name: N/A

Surety Contact
Name and Phone: _____

Date of Surety Took Over: _____

Explanation: _____

_____

_____

If more than one (1), describe on additional sheet (see Section 7, below).

7. ADDITIONAL PAGES

The Bidder declares that the pages listed in this Subsection were added and included with these Bid Documents to accurately respond to the Bidding Requirements.

_____ (List Pages)

8. PENALTY OF PERJURY

Bidder hereby declares and certifies under penalty of perjury that the information contained herein is true, correct, and complete.

IN WITNESS WHEREOF, the undersigned represent and warrant that they have the right, power, legal capacity and authority to sign this document on behalf of the Bidder, and have caused this document to be executed by setting hereto their names, titles, and signatures.

BIDDER: _____
Signature(s)

DATE: _____

Thomas Smith, Vice President of Estimating
(Name and Title of Signatories)

Ghilotti Construction Company, Inc.
(Legal Name of Bidder)

246 Ghilotti Avenue, Santa Rosa, CA 95407
(Address)

(707) 585-1221
(Phone Number)

BIDDER'S SIGNATURE PAGE

Recycled Water Expansion Project

The undersigned hereby declares that the cost of all necessary items for completion of this project are included in the unit prices quoted, all incidentals have been taken into consideration even though said incidentals are not specifically listed in the specifications or shown on the plans. The undersigned is likewise aware of the fact that distances, quantities, and other estimated figures appearing on the plans or mentioned in the specifications or on the Proposal are only approximate and declares that the unit prices shown above for the various items of work are based on distances and quantities calculated as the result of actual measures performed at the site project.

Respectfully Submitted, Date: _____

Firm Name: Ghilotti Construction Company, Inc.

Signature: _____

Address: 246 Ghilotti Avenue, Santa Rosa, CA 95407

Business Phone: (707) 585-1221

Contractor's License No. 644515 Class A, C8, C12, C21, C42, HAZ Expiration Date: 5/31/26

Bidder is a* Corporation If a partnership, names of partners. If a corporation, names of President or Vice President, and the Secretary or Asst. Secretary.

Name	Address
Brian Ongaro - President, Secretary	246 Ghilotti Avenue, Santa Rosa, CA 95407

I (we) hereby state and declare, under the penalty of perjury under the laws of California, that the representatives made herein are true and correct.

Executed _____ (Date) at Santa Rosa (Location) California.

* By: _____ * By: _____

Title: Thomas Smith, Vice President of Estimating Title: _____

*Please state whether the bidder is an individual, a partnership, a corporation, or an individual doing business under a fictitious name. If the bidder is a corporation, affix corporate seal.

NOTE: Contractor signatures must be notarized. Attach appropriate notary acknowledgements.

Mendocino City Community Services District
10500 Kelly Street ▪▪ PO Box 1029 ▪▪ Mendocino, CA 95460
Phone: 707.937-5790 Fax: 707.937.3837 http://www.mccsd.org

Recycled Water Expansion Project

Addendum No. 2 (R)

November 18, 2026

The following is Addendum No. 2 to the Mendocino City Community Services District – Recycled Water Expansion Project.

IF YOU SUBMIT A PROPOSAL, ACKNOWLEDGMENT OF THIS ADDENDUM MUST BE SHOWN ON THE BID PROPOSAL FORM, OR IT MAY BE DEEMED AS NON-RESPONSIVE.

This Addendum is hereby made part of the Contract Documents to the same extent that it were originally included therein.

Questions and Answers (listed in order received):

Question 1: Please clarify the NEMA rating of the two meter pedestals. NEMA 3 R or NEMA 4X.

Response 1: The NEMA rating shall be 3R minimum, listed and labeled for outdoor/wet-location installation, with meter socket configuration and service rating acceptable to PG&E.

Question 2: On sheet C-402 the plans show a 13x24 pull box in Little Lake St with no other information regarding the box. Typically PG&E will require a specific type of box. Please provide a PG&E code for this box.

Response 2: Provide a PG&E-approved 8,000-lb polymer-concrete cover, installed in accordance with PG&E Standard 028028.

Question 3: Where does the irrigation controller at MCCSD get 120 volt power from?

Response 3: Power is provided by the new PG&E service, which is shown on Drawing C-101.

Question 4: There is no irrigation controller shown at Hillcrest is that correct?

Response 4: Correct.

Question 5: Where does the irrigation controller at Heider get 120 volt power from?

Response 5: Power is provided by the new PG&E service, which is shown on Drawing C-402.

Question 6: There is no irrigation controller shown at Evergreen. Is that correct?

Response 6: Correct.

Question 7: Will a square/rectangular top with the hatch cast into it be acceptable for the Wet Well? Precasters can not quote this as circular due to size limitations on their circular forms.

Response 7: Provide a circular reinforced concrete top with the access hatch cast in. A detail for a cast-in-place construction is added to Drawing C-502.

Question 8: No listed work hours in the spec. Please confirm same as last project (i.e. 7A-3:30pm).

Response 8: Regular working hours are stated in Section 7.03.E.1 of the Standard General Conditions. They are 7 am – 5 pm.

Question 9: No listed traffic control times in the spec. Please confirm same as last project or provide revised times.

Response 9: Traffic control times shall correspond with regular working hours, unless approved otherwise by the Mendocino County Department of Transportation.

Question 10: Please provide cost for MCCSD Sewer Discharge permit, if needed, to discharge ground water and hydrostatic testing water into the sewer.

Response 10: MCCSD will issue a no-cost sewer discharge permit, if needed, to discharge ground water and hydrostatic testing water into the sewer.

Question 11: Specs list "Earthwork" as being limited to May 15-Oct15 (spec page 31 25 00 – 2). Please confirm this project is not limited to these work dates as this isn't a true 'earthwork' project, but a 'trenching excavation' project.

Response 11: The work is not limited to the dates of May 15 to October 15. Perform work between October 15 and May 15 under an approved Water Pollution Control Plan.

Question 12: Please confirm when this project will award and when expected start date is.

Response 12: A Notice of Award is expected to be issued by December 4, 2026. The estimated Notice to Proceed date is after December 14, 2026, and as soon as the State Water Board funding agreement is amended and the Mendocino County Amended Coastal Development Permit is approved.

Question 13: Erosion Control spec lists ESA fence, silt fence, waddles/fiber rolls, etc BMP's with a statement "as shown on plans". No BMP measures are shown on the plans. Please confirm desired BMP measures.

Response 13: Provide BMPs as necessary to prevent erosion from work activities. Anticipated applicable BMPs include ESA / construction fences, silt fences, waddles / fiber rolls and other measures as necessary and described in Section 31 25 00 and the Contractor's approved Water Pollution Control Plan.

Question 14: Detail 3/C-502 shows a gate valve with an accompanying valve box for the water service with meter. Specs (page 33 11 00 – 8) have this service built as a saddle with a corp stop, which is typical construction. It is not standard practice to have a valve box for a corp stop. Please confirm that a valve box is only needed at an actual gate valve, in this case only the ones listed as Bid Item A-10.

Response 14: Provide gate valves in valve boxes with tapping service saddle for 2-inch and larger recycled water services. Refer to similar City of Santa Rosa Standard Detail 865-A. 1-inch recycled water services shown on the Drawings are to be provided in accordance with City of Santa Rosa Standard 861.

Question 15: Per Add1, Spec Section 33 11 00 Recycled Water Utilities 2.23 Accessories, please confirm Contractor is to only furnish one (1) electronic utility locator/detector to the Agency/Municipality and no additional locating work with this new piece of equipment is to be assumed by the Contractor.

Response 15: Confirmed.

Question 16: Please provide or direct me to the City of Santa Rosa standard details, I am unable to find them online.

Response 16: City of Santa Rosa standards are available online at https://www.srcity.org/2321/Design-Construction-Standards

Question 17: Sheet C107 has two call outs for additive bid alt 1. Please confirm this is the H-1 additive item and confirm that it includes everything from station 40+00 to 41+50.

Response 17: Additive Bid Alternate Schedule H extends the recycled water main approximately 150 feet between STA 40+00 to STA 41+47.88.

Question 18: The plan sheet keynotes on C110 call out all the sewer line work as bid schedule G. Please confirm this is an error.

Response 18: The work on C-110 is paid under Schedule F.

Question 19: The bid schedule item F-5 calls for five new two-way cleanouts when there is seven laterals being reconnected. These are not shown on the plans, and no detail is provided. Please advise.

Response 19: Provide new cleanouts on the sewer laterals that are reconnected on the east side of the main only similar to City of Santa Rosa Standard 513-A.

Question 20: Please confirm the sewer size on C110. The bid form and profile view says 6" sewer main, sheet C110 keynotes says 8".

Response 20: The sewer size on C-110 is 6 inch.

Question 21: Please confirm that we are only required to reconnect the sewer laterals on sheet C110 to the new 8" or 6" line in Evergreen St and will not have to chase them back any further than that as indicated by 4" SS lines shown on the plans.

Response 21: See response to Question 19. The design intent is to provide the cleanout within 5-ft of the main.

Revised Contract Provisions:

1. Revised bid forms are included.

Revised Technical Specifications:

None

Revised Drawings:

The following revised drawings are included with this addendum:

1. Drawing C-101 is revised to clarify PG&E service requirements.
2. Drawing C-107 is revised to clarify bid schedule.
3. Drawing C-110 is revised to clarify main size, north arrow orientation, sewer lateral requirements and bid schedule.
4. Drawing C-402 is revised to clarify PG&E service requirements.
5. Drawing C-501 is revised to clarify Detail 2 surface restoration requirements
6. Drawing C-502 is revised to clarify Detail 1 fire hydrant color requirements.
7. Drawing C-503 is revised to clarify Detail 5 the depth of the wet well and referencing a new wet well cover detail on new Drawing C-504.
8. Drawing C-504 is added showing the details of the new wet well cover including davit crane sleeve and lifting hooks. The davit crane sleeve will be field located and installed.

All other terms and conditions remain in full force and effect.

Ryan Rhoades
Superintendent

SCHEDULE OF BID PRICES
Recycled Water Project

Basis of Bid

A. For the determination of the apparent low Bidder, the total amount for each Bid shall be the sum of the Base Bid Schedules A through E. The low Bidder shall be that which results in the lowest total amount for all the Work in Base Bid Schedules A through E.
B. Owner may award all Base Bid Schedules A through E.
C. Owner may award some or all of Additive Bid Schedules F through H.

Base Bid – Schedule A: Recycled Water Expansion

Item	Description	Units	Estimated Quantity	Bid Price per Unit	Amount
A-1	Mobilization and Demobilization (5% of Construction Subtotal)	LS	1		
A-2	Water Pollution Control (1% of Construction Subtotal)	LS	1		
A-3	Temporary Traffic Control (3% of Construction Subtotal)	LS	1		
A-4	Trench Sheeting, Shoring and Bracing (Recycled Water, 3% of RW Pipe)	LS	1		
A-5	8-Inch Open-Trench RW Main, AC Pavement Surface Restoration	LF	3,330		
A-6	2-Inch Open-Trench RW Service, AC Pavement Surface Restoration	LF	140		
A-7	1-Inch Open-Trench RW Service, AC Pavement Surface Restoration	LF	100		
A-8	2-Inch Meter and Backflow Assembly	EA	5		
A-9	1-Inch Meter and Backflow Assembly	EA	2		
A-10	8-Inch Gate Valve	EA	11		
A-11	Permanent Blowoff	EA	2		
A-12	1-Inch Air Release/Vacuum Valve	EA	2		
A-13	Fire Hydrant (elbow, thrust block, riser pipe, break-off CV/flange, hydrant)	EA	5		

Mendocino City Community Services District
10500 Kelly Street ▪▪ PO Box 1029 ▪▪ Mendocino, CA 95460
Phone: 707.937-5790 Fax: 707.937.3837 http://www.mccsd.org

Recycled Water Expansion Project

Addendum No. 3

November 20, 2026

The following is Addendum No. 3 to the Mendocino City Community Services District – Recycled Water Expansion Project.

IF YOU SUBMIT A PROPOSAL, ACKNOWLEDGMENT OF THIS ADDENDUM MUST BE SHOWN ON THE BID PROPOSAL FORM, OR IT MAY BE DEEMED AS NON-RESPONSIVE.

This Addendum is hereby made part of the Contract Documents to the same extent that it were originally included therein.

Questions and Answers (listed in order received):

Question 22: Due to the holiday week. The gathering of subcontractor and material costing has proven difficult. I would like to request this bid date be pushed to allow contractors the opportunity to gather and review quotes thoroughly before submitting their bids.

Response 22: Due to overall schedule constraints set by the State Water Board grant agreement, the bid date remains unchanged.

Revised Contract Provisions:

None

Revised Technical Specifications:

1. Section 43 21 39 is revised to change the pump type, duty point and a few other system elements.

Revised Drawings:

None

All other terms and conditions remain in full force and effect.

Ryan Rhoades
Superintendent

SECTION 43 21 39

SUBMERSIBLE SEWAGE PUMPS

PART 1 GENERAL

1.1 GENERAL

A. Provide a complete duplex submersible wastewater pumping system, including two single-phase submersible pumps, automatic-discharge wet-well guide system, duplex controller with motor starters, float switches, guide rails and supports, discharge piping, valves, fittings, anchors, electrical accessories, and appurtenances required for a complete operational system.

B. Basis of design: Xylem / Flygt N 3069, NP (P-installation), single-phase, with self-cleaning N-technology impeller. For the single-phase unit, provide the manufacturer-supported impeller configuration for the scheduled duty point.

~~B. Basis of design: Xylem / Flygt D 3045, DP (P-installation), MT pressure class, single-phase, with vortex impeller. For the single-phase unit, provide the manufacturer-supported 236 impeller trim/configuration.~~

C. System is intended for retrofit of an existing wastewater lift station. Contractor shall field verify wet-well dimensions, access opening, discharge connection, available single-phase electrical service, cable routing, controller mounting, and all interfacing dimensions before fabrication.

1.2 RELATED SECTIONS

A. 03 30 00 - Cast-in-Place Concrete.

B. Division 26 – Electrical Requirements.

1.3 REFERENCES

A. Reference Standards:
1. NFPA 70 - National Electrical Code (NEC).
2. UL 508A - Industrial Control Panels, where applicable.
3. NEMA 250 - Enclosures for Electrical Equipment.
4. ASTM A240/A240M - Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip.
5. ASTM A312/A312M - Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipe, where stainless steel discharge piping is specified.
6. Manufacturer published installation, operation, and maintenance instructions.

1.4 PRE-INSTALLATION MEETING

A. Section 01 30 00 - Administrative Requirements: Pre-installation meeting.

1.5 SUBMITTALS

A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.

B. Product data and certified pump curves showing head, capacity, efficiency, input power, and operating point for the furnished 60 Hz single-phase pump and actual impeller.

C. Pump dimensional drawings, weights, discharge connection, minimum submergence, and lifting requirements.

D. Motor data including voltage, horsepower, full-load current, locked-rotor current, service factor (if applicable), cable size/length, thermal protection, and maximum starts per hour.

E. Duplex control panel elementary/wiring diagrams, bill of materials, enclosure rating, short-circuit current rating, control narrative, alarm functions, and terminal schedule.

F. Guide rail, discharge connection, upper guide bracket, intermediate bracket if required, lifting chain/cable, and anchorage details.

G. Discharge piping, check valve, isolation valve, fittings, supports, and wall/floor penetrations.

H. Float-switch data and proposed elevations for stop, lead start, lag start, and high-level alarm.

I. Factory test documentation and startup report.

J. Operation and maintenance manuals and recommended spare parts list.

~~J.~~K. Calculations for anchor bolts.

~~K.~~L. Manufacturer's Certificates:
1. Factory finish system: Manufacturer's Certificate of Compliance, in accordance with Section 01 60 00–Product Requirements, that factory finish system is identical to requirements specified herein.
2. Certify that products meet or exceed specified requirements.

~~L.~~M. Manufacturer's Installation Instructions: Submit detailed instructions on installation requirements, including storage and handling procedures.

~~M.~~N. Manufacturer Reports: Certify that equipment has been installed according to manufacturer instructions.

1.6 CLOSEOUT SUBMITTALS

A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for closeout submittals.

B. Project Record Documents: Record actual locations of mechanical appurtenances.

1.7 MAINTENANCE MATERIAL SUBMITTALS

A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for spare parts and maintenance materials.

B. Suggested spare parts list to maintain equipment in service for a period of 1 year and 5 years. Include a list of special tools required for checking, testing, parts replacement, and maintenance with current price information.

1.8 QUALITY ASSURANCE

A. Services of Manufacturer's Representative shall be as stated in Section 01 43 33 – Manufacturers' Field Services and specified herein.

B. Provide pumps, guide system, and primary pump controls as a coordinated system supplied by Xylem/Flygt or an authorized Flygt representative or an approved equivalent.

C. Components shall be selected for compatibility with the furnished pumps and wastewater service.

D. Manufacturer shall have established service capability and replacement parts support in the Northern California ~~project~~ region.

E. Electrical equipment shall be listed/labeled by a nationally recognized testing laboratory where required by governing codes.

1.9 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing products specified in this Section with minimum 3 years documented experience.

B. Installer: Company specializing in performing work of this Section with minimum 10 years documented experience.

1.10 DESIGN AND PERFORMANCE REQUIREMENTS

A. Duty point: ~~3~~80 gpm at 3~~4~~0 ft TDH for one pump operating. Verify the scheduled operating point lies on the certified curve for the exact configuration.

B. Duplex operation: Each pump shall be capable of meeting the design firm pumping requirement unless Drawings indicate otherwise. Provide automatic lead/lag alternation with lag-pump operation on rising level and simultaneous operation when required by the level sequence.

C. Pump service: Wastewater/light sewage containing solids and fibrous material. Pump selection shall use an N~~a vortex~~-type self-cleaning hydraulic end to reduce clogging risk.

D. Maximum motor starts: Do not exceed manufacturer recommendation. Published information permits up to 15 starts per hour; configure float elevations and controls accordingly.

E. Wet well depth is approximately ~~22~~19 feet. Contractor shall verify actual guide rail length and determine whether an intermediate guide support is required by manufacturer for the installed geometry.

1.11 DELIVERY, STORAGE, AND HANDLING

A. Section 01 60 00 - Product Requirements: Requirements for transporting, handling, storing, and protecting products.

B. Inspection: Accept materials on Site in manufacturer's original packaging and inspect for damage.

C. Store materials according to manufacturer instructions.

D. Protection:
   1. Protect materials from moisture and dust by storing in clean, dry location remote from construction operations areas.
   2. Provide additional protection according to manufacturer instructions.

PART 2 PRODUCTS

2.1 GENERAL

A. Vertical turbine pumps shall be submersible turbine pumps driven by a vertical shaft affixed to a pump-mounted motor as indicated in Drawings for the purpose of pumping water as indicated in Drawings.

2.2 Submersible Pumps

A. Quantity: Two identical pumps.

B. Type: Completely submersible, close-coupled centrifugal wastewater pump with self-cleaning, non-clogging N-technology~~vortex~~ impeller. Pump shall automatically connect to stationary wet-well discharge connection when lowered on twin guide rails, without personnel entering the wet well.

C. Hydraulics: Flygt N~~Medium-head (MT) D~~-series (N 3069) self-cleaning, non-clog hydraulic end with hardened cast iron impeller and insert ring.~~vortex configuration.~~ Discharge nominally 2 inches. Furnish discharge elbow/base and mating flange/adaptor compatible with project piping.

D. Motor: Submersible squirrel-cage induction motor, 60 Hz, single-phase, designed for continuous submersible service; Class F insulation or better. Provide integral thermal protection and manufacturer-required starting/run capacitors or starting components as part of the coordinated system.

~~D.~~E. Transformer: Provide voltage step-up transformer, as required to meet motor voltage. Install transformer with pump control panel

~~E.~~F. Pump rating: Motor rating as required by the scheduled duty point for the furnished N 3069 unit (manufacturer published range 2~~1.0~~ hp to 3.8~~1.5~~ hp).~~.~~ Final voltage, rated current and electrical characteristics shall be those on the submitted factory data plate and certified product data for the exact furnished unit. Do not infer current from three-phase data.

~~F.~~G. Pump Construction: Heavy-duty cast iron major wetted castings with corrosion-resistant shaft, fasteners, and manufacturer-standard materials. Provide factory coating suitable for wastewater immersion.

~~G.~~H. Shaft Seals: Tandem/double independent mechanical seal system in an oil-filled intermediate chamber; silicon carbide and/or tungsten carbide faces as selected by manufacturer for wastewater service.

~~H.~~I. Bearings: Permanently lubricated anti-friction bearings designed for radial and thrust loads of the furnished pump.

~~I.~~J. Cable: Manufacturer standard heavy-duty submersible wastewater-rated power cable, continuous from pump into dry termination area or control panel unless a manufacturer-

approved watertight junction system is shown. Cable length shall suit approximately 22-foot deep wet well plus routing and service allowance; minimum length 30 ft.

~~J.~~K. Lifting: Each pump shall have dedicated Type 316 stainless steel lifting chain or manufacturer-approved stainless lifting cable, sized for pump weight with minimum 5:1 design safety factor. Power cable shall not be used for lifting.

2.3 GUIDE RAIL AND AUTOMATIC DISCHARGE SYSTEM

A. Provide Flygt P-installation guide system, or approved equivalent, consisting of submerged discharge connection/base elbow, pump sliding bracket, two guide bars, upper guide holder, intermediate guide support(s) where required, fasteners, and anchors.

B. Guide Bars: Twin ~~3/4~~2-inch nominal guide bars for specified pump series, Type 316 stainless steel.

C. Length: Extend continuously from automatic discharge connection to upper guide bracket at wet-well access. Provide manufacturer guide-bar extension components if required for the verified wet-well depth.

D. Upper and intermediate brackets, clamps, bolts, nuts, washers, and exposed mounting hardware within wet well: Type 316 stainless steel. Isolate dissimilar metals where required to prevent galvanic corrosion.

E. Anchorage: Type 316 stainless steel mechanical anchors suitable for cracked concrete and continuous wastewater exposure. 1/2 inch minimum diameter Simpson THDSS concrete anchor, with ~~2-1/2~~4 inch minimum embedment. Confirm size and embedment with equipment supplier based on actual loads, subject to Engineer review. Do not drill through reinforcing without approval.

2.4 DUPLEX PUMP CONTROL PANEL

A. Provide a factory-assembled duplex pump control panel specifically configured for two single-phase pumps and supply voltage of 120 volts.

B. Enclosure: NEMA 4X, Type 316 stainless steel enclosure rated for outdoor/corrosive marine environment location. Provide lockable dead-front arrangement.

C. Panel shall include, as applicable: main disconnect or provisions for external disconnect; individual pump branch circuit protection; single-phase motor contactors/starters rated for pump locked-rotor current; overload protection coordinated with integral thermal devices; Hand-Off-Auto selector for each pump; run lights; pump-fail/overload indication; lead/lag alternator; level relays; control transformer/power supply; terminal blocks; elapsed time meters; start counters; high-level alarm light and audible alarm with silence; and dry auxiliary contacts for common alarm and pump run status.

D. Sequence: Under normal operation one pump shall be lead. On lead-start level, lead pump starts. If liquid rises to lag-start level, second pump starts. Pumps stop at pump-off level unless manufacturer requires separate stop levels. Alternator shall change lead duty after each normal cycle. High-high level shall initiate alarm. Logic shall prevent automatic restart inconsistent with manufacturer safety requirements after faults.

E. Provide automatic operation following restoration of power unless prohibited by the District's operating requirements or governing code. Provide phase-independent

protection appropriate for single-phase motors, including under/over-voltage protection where recommended by manufacturer.

F. Control panel SCCR: Not less than available fault current at installation and not less than 10 kA unless Drawings require higher rating.

G. Provide surge protective device where required by Division 26 or utility/service conditions.

2.5 FLOAT SWITCHES AND LEVEL CONTROL

A. Provide four heavy-duty, direct-acting, sewage-rated, normally open/closed as required, mercury-free float switches with integral flexible cable and corrosion-resistant mounting hardware.

B. Functions: Pump Off/Low Level, Lead Pump Start, Lag Pump Start, and High Level Alarm. Where controller requires five floats for separate redundant off or alarm function, provide the additional float at no change in basic system functionality.

C. Mount on Type 316 stainless steel float bracket or individual suspended cable weights approved by manufacturer. Arrange to prevent floats from fouling pumps, rails, piping, walls, or one another.

D. Final float elevations shall be coordinated with required pump submergence, influent elevation, wet-well working volume, maximum starts per hour, and alarm response time. Submit proposed elevations before installation.

2.6 DISCHARGE PIPING AND APPURTENANCES

A. Provide piping from each pump automatic discharge connection through the wet-well/dry-well interface to the connection point shown on Drawings, including separate branch piping, check valve, isolation valve, fittings, unions/flanged dismantling provisions, supports, and common header as indicated.

B. Wet-Well Piping: Schedule 80 PVC piping. Do not use threaded joints for submerged wastewater piping except instrument connections.

C. Check Valve: Full-port swing check or ball check designed for wastewater service, nominal size matching pump discharge branch; resilient seat; accessible for maintenance. Provide type shown on Drawings.

D. Isolation Valve: Full-port resilient-seated gate valve for wastewater service, sized to branch piping, with non-rising stem where applicable and extension operator where access requires.

E. Supports: Type 316 stainless steel brackets, clamps, and anchors in wet well. Support piping independently of pumps and guide rails.

F. Provide flexible coupling or dismantling joint where shown on Drawings and required for removal of valves/piping without disturbing embedded piping.

~~2.7 SPARE PARTS AND SPECIAL TOOLS~~

~~A. Provide one set of manufacturer-recommended startup/maintenance tools and one spare set of pump mechanical seals, O-rings, and wear items if required by District.~~

B. Provide touch-up coating supplied or approved by pump manufacturer for repair of damaged factory coating.

2.7 MANUFACTURER

A. Xylem / Flygt
   1. Zack Cederlind
   2. Zackery.cederlind@xylem.com
   3. 916-279-1661
B. Approved Equivalent

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify wet-well dimensions, access hatch clearances, concrete condition, discharge pipe elevations, electrical service voltage, and controller location before ordering final-length rails, cables, or piping.

B. Verify that each pump can be removed vertically through the access opening without removal of fixed piping or entry into the wet well.

C. Do not proceed until conditions preventing proper installation are corrected.

3.2 INSTALLATION

A. Install pumps and accessories in accordance with approved submittals and manufacturer instructions

B. Temporarily block wastewater flows into the wet well as necessary to install pumps, rails, piping and appurtenances.

C. Set discharge bases accurately and level in wet well channel on a bed of mortar. Plumb guide rails and align rails to permit pumps to travel freely and seat positively on discharge connections without binding.

D. Install guide-rail anchorage, upper brackets, intermediate supports, piping supports, and float brackets before placing system in service.

E. Arrange power and float cables with Type 316 stainless steel cable supports or manufacturer-approved hangers so cables do not bear pump weight, contact sharp edges, or interfere with floats.

F. Provide electrical grounding and bonding in accordance with NFPA 70 and manufacturer instructions. Seal conduits entering wet or classified areas as required by code and the Drawings.

G. Install valves so they are serviceable from the access area or dry well without confined-space entry where practicable.

H. Field Testing:
   1. Pressure test appurtenances with pipeline pressure testing.

3.3 FIELD FINISHING

A. Touch up factory finish as specified in Section 09 90 00–Painting and Coating and manufacturer's recommendations.

3.4 FIELD QUALITY CONTROL AND STARTUP

A. Manufacturer-authorized representative shall inspect installation before startup, verify pump seating, cable connections, motor protection settings, float sequence, controls, and alarms, and supervise initial startup.

B. Test each pump independently in Hand and Auto modes. Verify lead/lag alternation, lag start, high-level alarm, common alarm outputs, overload/fault response, and restoration after power interruption.

C. Perform drawdown or calibrated-volume test to verify delivered capacity where wet-well geometry permits. Compare observed duty point with certified pump curve.

D. Check piping and valve joints for leakage and verify check valves close without unacceptable slam or reverse flow.

E. Demonstrate complete pump removal and reinstallation on the guide rails for each pump.

F. Provide written startup report including voltage, running current, insulation resistance where applicable, control setpoints/float elevations, observed flow/head data, and deficiencies corrected.

3.5 TRAINING

A. Provide minimum 2 hours onsite training for District personnel covering normal operation, controller sequence, alarm response, pump removal/reinstallation, inspection, preventive maintenance, and safety/lockout requirements.

3.6 SCHEDULE

Item	Requirement
Pumps	2 - Flygt NP 3069, 1-phase, 60 Hz, N-technology impeller
Duty Point	80 gpm at 34 ft TDH, BEP 47%
Motor	Per manufacturer published data for N 3069 1-phase 60 Hz; verify exact furnished unit
Electrical Service	120 V, 1-phase, 60 Hz
Transformer	Provide as necessary
Guide Rails	Twin 2-inch nominal, Type 316 stainless steel
Wet Well Depth	Approx. 19 ft; field verify
Controller	Duplex, NEMA 4X Type 316 SS, lead/lag alternation
Level Devices	4 minimum sewage-rated mercury-free floats
Discharge Piping	2-inch nominal minimum / match furnished discharge and Drawings. Provide appropriate fittings as

	necessary

Item	Requirement
Pumps	2 - Flygt DP 3045 MT, 1-phase, 60 Hz, 236 configuration
Duty Point	30 gpm} at 30 ft TDH
Motor	Approx. 1.1 hp published for D 3045 MT 1-phase 60 Hz; verify exact furnished unit
Electrical Service	120 V, 1-phase, 60 Hz
Guide Rails	Twin 3/4-inch nominal, Type 316 stainless steel
Wet Well Depth	Approx. 22 ft; field verify
Controller	Duplex, NEMA 4X Type 316 SS, lead/lag alternation
Level Devices	4 minimum sewage-rated mercury-free floats
Discharge Piping	2-inch nominal minimum / match furnished discharge and Drawings

END OF SECTION