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United States
ghd.com



Our ref: 12640567

June 09, 2026

Kyle Knopp, City Manager
City of Rio Dell
675 Wildwood Drive
Rio Dell, CA 95562

Rio Dell Sanitary Sewer Evaluation Study

Dear Kyle,

This letter proposal provides a brief update on GHD's work on the City's Sanitary Sewer Evaluation Study (SSES) funded through the State Water Resources Control Board (SWRCB) Division of Financial Assistance (DFA) Contract #C-06-8403-110.

An amendment to the funding was executed in March 2026 which revised the planning grant scope schedule and task specific budgets for collection system mapping, Painter Street line evaluation, closed-circuit television (CCTV) inspection, hydraulic modelling, development of inflow and infiltration strategies, evaluation of disinfection byproducts, and project administration. A new task was also added to the scope of work which includes 90% design of priority sections of the sewer system.

Several tasks are complete including Background Research, Draft GIS Files, Painter Street Line Evaluation and CWSRF Construction Application, Flow Monitoring, Close Circuit TV Inspection, Right of Way Analysis, Evaluation of I/I impacts, SSES Report of Findings, Draft Disinfection Byproduct Report of Findings.

The majority of the outstanding work is the design of the City's highest priority sewer improvements. To support design, the hydraulic model will be finalized. Once the locations to be included in the upgrade project are identified, budget for CEQA is included for environmental compliance. Lastly there is a small budget remaining to submit the final design to the SWRCB construction funding program to implement identified improvements.

GHD appreciates the opportunity to continue to work with City staff and leadership to create lasting improvements for the community.

Regards

A handwritten signature in black ink that reads "Rebecca Crow". The signature is fluid and cursive, with the first name and last name clearly distinguishable.

Rebecca Crow
Project Manager
rebecca.crow@ghd.com

Copy to: Steven Pearl, GHD Project Engineer
Casey Raines, GHD Business Group Leader

ATTACHMENTS

**Q1403**

Amendment/Change Form

This Amendment/Change is effective this 21 day of July 2026, (the “Effective Date”) between GHD, Inc (hereinafter “GHD”) and City of Rio Dell (hereinafter “Client”). In consideration of the mutual promises set forth herein, GHD and Client agree to modify the project details for the Original Agreement between GHD and Client referenced herein.

Project details

Project name:	City of Rio Dell Sanitary Sewer Evaluation Study	Project number:	10047950
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Effective Date of Original Agreement:	November 19, 2024	Project Manager:	Rebecca Crow, PE
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Description of proposed change:

See Attachment A

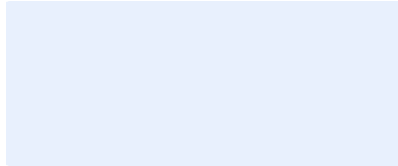
Current budgeted effort	\$485,662	Current completion date:	November 19, 2024
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This change (variation)	\$602,396.25
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Revised budgeted effort total	\$1,088,058.25	Revised completion date:	1 December 2027
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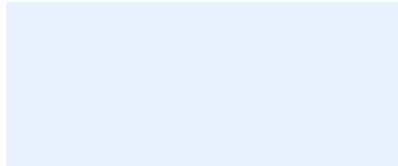
In witness whereof, GHD and Client have caused this Agreement to be executed by their duly authorized representatives as of the Effective Date.

GHD
GHD Inc.



Bhaskar Kolluri
Business Group Leader
July 7, 2026

Client



Kyle Knopp
Rio Dell City Manager
July 7, 2026

Attachment A

Scope Amendment for Rio Dell Sanitary Sewer Evaluation

The City of Rio Dell was granted a \$1,165,275 budget and scope amendment to the City's Sanitary Sewer Evaluation Study (SSES) through the State Water Resources Control Board (SWRCB) Division of Financial Assistance (DFA) Contract #C-06-8403-110 in February 2024. A second budget and time extension amendment was executed in March 2026. The amendments revised the planning grant scope schedule and task specific budgets for collection system mapping, Painter Street line evaluation, closed-circuit television (CCTV) inspection, hydraulic modeling, development of inflow and infiltration strategies, evaluation of disinfection byproducts, and project administration. Task 15 - Preliminary Design Plans Development - was also added to the scope of work which includes 90% design of priority sections of the sewer system. A breakdown of the revised budget per task and the additional scope is provided below.

Task 1: Background Research and Consultation with City

No Change

Task 2: Update Collection Mapping and Analysis

The Update Collection Mapping and Analysis Task budget will be increased to cover costs to incorporate spatial information gathered from Tasks 6 (CCTV Inspection), 7 (Right-of-Way Analysis), and 9 (Hydraulic Modelling). In addition, the various datasets in use by the City will be reconciled by comparing duplicate datasets for consistency and determining which data represents best location accuracy and consolidating attributes into a single layer, including any photo attachments. This effort will provide the City with an accurate map of the collection system. The deliverable for this task now includes incorporation of the sewer data into the City's GIS system.

Task 3: Painter Street Line Evaluation

The upgrade to the sewer line from Painter Street to the WWTP has been a high priority for the City. The initial task included only a concept-level evaluation of a replacement line, which was then leveraged to apply for construction funding. The additional budget under this task covers the effort to prepare the CWSRF construction funding application and supporting documents for upsizing of the sewer line. The deliverable for this task is updated to include the completed CWSRF funding application for the Painter Street - Sewer line.

Task 4: Pump Station Evaluation

No change.

Task 5: Develop and Implement Focused Flow Monitoring Strategy

No change.

Task 6: Develop and Implement Focused TV Inspection

The original scope for Task 6 - The Focused TV Inspection included budget for GHD to coordinate with the subconsultant and hire the team directly to complete CCTV work. The CWSRF grant amendment included an additional budget for CCTV inspection services. Under this task GHD assisted the City with coordination both before and during the work, RFP development, procuring a CCTV sub-consultant, and post - CCTV data processing. The City hired the subconsultant directly. Under this task amendment, GHD reduced this task budget by \$18,000 to \$42,000, with the remainder allocated to the City for the CCTV sub-consultant costs. See Table 2 for the cost breakdown.

Task 7: Right-of-Way Analysis

This task was completed for the property easement analysis along the Painter sewer line.

Task 8: Evaluation of Selected Stormwater Management Issues Contributing to I/I

The level of effort for this task was reduced, with greater focus placed on upgrading the Painter Street sewer line, documenting unknown and problem areas, and collecting CCTV information. The budget reduction is shown in Table 2. Stormwater management issues in Rio Dell were summarized, and options to address stormwater-related I/I was presented in the SSES Report of Findings.

Task 9: Hydraulic Modeling of Selected Collection Segments

The Hydraulic Modeling budget was increased to cover work needed to calibrate the model results with the data collected during the additional CCTV data work. The model was used to inform the options considered for the Painter sewer line upgrade, including multiple alignments, pipe configurations, and pipe sizes that best met the system and site criteria. The calibrated model will be used in developing the design for priority sewer upgrades in Task 15 and can be used by the City for evaluating new developments that may connect to the City's system.

Task 10: Consideration of I/I Reduction Strategies

The budget for this task was increased to further support the development of recommendations for I/I reduction strategies. The analysis under this task also supports the design of selected sewer improvements.

Task 11: Development of SSES Report of Findings and Recommendations

The increased budget for this task addresses incorporation of detailed CCTV inspection findings and other results into the final SSES report. A list of recommended replacements and upgrades will be developed. Recommendations reviewed with the City include priority pipeline sections that will be designed under Task 15.

Task 12: Evaluation and Technical Memorandum Disinfection By-product Control Alternatives

The increased budget for this task funded design of a temporary chloramines monitoring system to conduct a full-scale disinfection test and evaluate feasibility. The temporary system included only the minimum equipment necessary to collect accurate data. The amendment also covers data analysis and preparation of a summary report for Regional Board review to support potential future permit adjustments.

Task 13: Environmental Documentation

No Change.

Task 14: Project Administration & Grant Reporting Assistance

The increased budget for this task will cover the additional time necessary to administer the project through the extended schedule. The budget increase also includes future grant administration work including communication with Rio Dell, the budget amendment and grant reporting.

Task 15: Preliminary Design Plans Development (New)

This new task, added as a part of the CWSRF Amendment covers both design of the Painter Street Sewer Line Upsizing Project (under a separate scope) as well as design of priority segments identified in the SSES. The remaining scope of work is laid out below.

Subtask 15.1 30% Preliminary Design Plans

GHD will prepare 30% Preliminary Design Plans, Table of Contents for Technical Specifications, and Opinion of Probable Construction Costs. The Design Plans shall consist of civil, structural, and mechanical concepts to provide the framework for

subsequent design plans, specifications, and Opinions of Probable Construction costs. This task may include survey in areas where existing data is insufficient for design of improvements. This task may also include additional right of way analysis and title reports depending on the final selected improvement alignments. The Opinion of Probable Construction Costs will be based on the 30% Design Plans, identifying quantities, unit costs, and estimated labor costs based on State prevailing wage rates. The 30% design will be reviewed with the City and comments incorporated into the 60% submittal.

Subtask 15.2 60% Preliminary Design Plans

GHD will prepare 60% Preliminary Design Plans, Technical Specifications, and Opinion of Probable Construction Costs. The Design Plans shall detail civil, structural, mechanical, and electrical work as necessary to construct the proposed improvements. The Technical Specifications and Opinion of Probable Construction Costs will be based on the 60% Design Plans, identifying quantities and unit costs and will use estimated labor costs based on State prevailing wage rates.

The 60% design will be reviewed with the City and comments incorporated into the 90% submittal. At the 60% level, the design will be reviewed with the Regional Board for compliance with State regulations and comments incorporated into the 90% submittal.

Subtask 15.3 90% Preliminary Design Plans

GHD will prepare 90% Preliminary Design Plans, Technical Specifications, and Opinion of Probable Construction Costs. The design will include feedback from the City and Geotechnical work completed in task 15.2. The Design Plans shall detail civil, structural, mechanical, and electrical work as necessary to construct the proposed improvements. The Specifications and Opinion of Probable Construction Costs will be based on the 90% Design Plans, identifying quantities, unit costs and will use estimated labor costs based on State prevailing wage rates. The opinion shall be based on the draft Bid Schedule and Measurement and Payment sections of the specifications.

The 90% design will be reviewed with the City and comments incorporated into the 90% submittal. At the 90% level, the design will be reviewed with the Regional Board for compliance with State regulations and comments incorporated into the 90% submittal.

Deliverables:

- One (1) electronic copy in .pdf format of 30% Plans, Table of Contents for Technical Specifications, and Opinion of Probable Construction Costs.
- One (1) electronic copy in .pdf format of 60% Plans, Technical Specifications, and Opinion of Probable Construction Costs.

- One (1) electronic copy in .pdf format of 90% Plans, Technical Specifications, and Opinion of Probable Construction Costs.
- Two (2) hard copy sets of 90% 11 x 17 plans

Assumptions:

- Final 100% design and preparation of bidding documents will be completed under a subsequent project implementation phase.

Table 1: Proposed Schedule

Task	CWSRF Deliverable	Completion Date
Task 1 Background Research and Consultation with City	N/A	Complete
Task 2: Update Collection System Mapping and Analysis	Draft GIS Files	Complete
	Final GIS Files	October 1, 2026
Task 3: Painter Street Line Evaluation	Painter Street CWSRF Application	Complete
Task 4: Pump Station Evaluation	Included in SSES Report / Used in Design of Sewer Improvements	January 15, 2027
Task 5: Develop and Implement Focused Flow Monitoring Strategy	Included in SSES Report	Complete
Task 6: Develop and Implement Focused TV Inspection Strategy	Included in SSES Report/ Used in Design of Sewer Improvements	Complete
Task 7: Right of Way Analysis	Included in SSES Report	Complete
Task 8: Evaluation of Selected Stormwater Management Issues Contributing to I/I	Included in SSES Report	Complete
Task 9: Hydraulic Modeling of Selected Collection System Segments	Included in SSES Report/ Used in Design of Sewer Improvements	January 15, 2027
Task 10: Consideration of I/I Reduction Strategies	Included in SSES Report/ Used in Design of Sewer Improvements	January 15, 2027
Task 11: Development of SSES Report of Findings and Recommendations	Draft SSES Report of Findings and Recommendations	Complete
	Final SSES Report of Findings and Recommendations	Complete
Task 12: Evaluation and Technical Memorandum of Disinfection Byproduct Control Alternatives	Final Disinfection Byproduct Report of Findings	December 15, 2026
Task 13: Environmental Documentation	CWSRF Environmental Package	September 30, 2027
Task 14: Project Administration & Grant Reporting Assistance	CWSRF Construction Application for Sewer Rehabilitation	December 1, 2027
Task 15: Preliminary Design	30% Design	November 1, 2026
	60% Design	February 15, 2027
	90% Design	May 30, 2027

Table 2: Budget breakdown

Item	Description	GHD Original Scope Amount	GHD Amendment	GHD Total Amended Contract Amount	City Grant Budget*	Total Grant Allowances
1	Background Research and Consultation with City	\$ 15,000.00	\$ 0.00	\$ 15,000.00	\$	\$ 15,000.00
2	Update Collection Mapping and Analysis	\$ 37,000.00	\$ 12,700.00	\$ 49,700.00	\$ 3,000.00	\$ 52,700.00
3	Painter Street Line Evaluation	\$ 9,162.00	\$ 4,870.25	\$ 14,032.25	\$ 10,838.75	\$ 24,871.00
4	Pump Station Evaluation	\$ 25,000.00	\$ -4,155.00	\$ 20,845.00	\$	\$ 20,845.00
5	Develop and Implement Focused Flow Monitoring Strategy	\$ 80,000.00	\$ -330.00	\$ 79,670.00	\$	\$ 79,670.00
6	Develop and Implement Focused TV Inspection Strategy	\$ 60,000.00	\$ -18,000.00	\$ 42,000.00	\$ 393,000.00	\$ 435,000.00
7	Right of Way Analysis	\$ 5,000.00	\$ -26.00	\$ 4,974.00	\$	\$ 4,974.00
8	Evaluation of Selected Stormwater Management Issues Contributing to I/I	\$ 55,000.00	\$ -48,500.00	\$ 6,500.00	\$	\$ 6,500.00
9	Hydraulic Modeling of Selected Collection System Segments	\$ 30,000.00	\$ 24,250.00	\$ 54,250.00	\$	\$ 54,250.00
10	Consideration of I/I Reduction Strategies	\$ 25,000.00	\$ 7,460.00	\$ 32,460.00	\$	\$ 32,460.00
11	Development of SSES Report of Findings and Recommendations	\$ 40,000.00	\$ 69,730.00	\$ 109,730.00	\$	\$ 109,730.00
12	Evaluation and Technical Memorandum Disinfection Byproduct Control Alternatives	\$ 40,000.00	\$ 30,028.00	\$ 70,028.00	\$ 14,490.00	\$ 84,518.00
13	Environmental Documentation	\$ 57,000.00	\$ 0.00	\$ 57,000.00	\$	\$ 57,000.00
14	Project Administration & Grant Reporting Assistance	\$ 7,500.00	\$ 43,092.00	\$ 50,592.00	\$	\$ 50,592.00
15	Preliminary Design	\$ 0.00	\$ 481,277.00	\$ 481,277.00	\$ 34,300.00	\$ 515,577.00
-	<i>Painter Sewer Line Design (Completed under separate contract)</i>	-	-	-	-	\$ 111,088.00
	Total Cost	\$485,662.00	\$602,396.25	\$ 1,088,058.25	\$ 455,628.75	\$1,654,775.00

* City Grant Budget covers City reimbursable expenses for survey, CCTV, and right of way analysis, and disinfection by-product pilot effort.