



Proposal for:  
**On-Call Engineering and Surveying Services**



# Over 70 Years of Excellence, Innovation and Integrity



**1954**

*Brelje & Race Consulting Engineers is formed in Santa Rosa*



**1960s**

*Engineering design services for The Sea Ranch and Oakmont*



**1970s**

*Cloverdale Treatment Plant and Christian Life Center, now the Luther Burbank Center for the Arts*



**1980s**

*Airport Business Center and Expansion of Airport Treatment Plant and Disposal Field*



**1990s**

*Advanced Wastewater Treatment and Recycled Water System for the Town of Windsor*



**2000s**

*Numerous capital projects for Santa Rosa Junior College*



**2010s**

*Large scale landmark projects such as the new AmericanAg Credit Campus and Sutter Santa Rosa Regional Hospital*



**2020s**

*Major projects expanding and upgrading essential public infrastructure, ensuring a bright future for Sonoma County.*

**Brelje & Race Consulting Engineers**

Proposal for On-Call Engineering and Surveying Services • City of Fort Bragg

May 29, 2026

Chantell O'Neal  
Assistant Director of Engineering  
City of Fort Bragg  
416 North Franklin Street  
Fort Bragg, CA 95437

**Subject: Proposal for On-Call Engineering & Surveying Services  
B&R Project No. 5070.00**

Dear Ms. O'Neal,

Brelje & Race Consulting Engineers is pleased to submit this proposal to the City of Fort Bragg in response to the City's Request for Proposals (RFP) to provide on-call engineering and land surveying services for various projects. With a complex network of public facilities and infrastructure and limited staff and financial resources, the City needs an engineering partner that can provide comprehensive services efficiently, accurately, and on time. Brelje & Race offers the City local experience and technical expertise from a creative team that excels in a wide array of civil engineering, land surveying, and environmental and regulatory compliance services.

Brelje & Race has extensive experience providing professional civil engineering and land surveying services to municipal clients throughout the North Coast region. Our proposed team brings experience as Acting District Engineer for several local water and wastewater districts, as well as providing peer review, plan check, and consulting civil design services to clients including the County of Sonoma and the Cities of Rohnert Park, Santa Rosa, and Petaluma. The stability of our firm, combined with the knowledge gained from over 70 years of local project work, ensures that the City will always receive responsive, dependable, and high-quality professional service from our team.

I will serve as the Principal-in-Charge for all City projects assigned to Brelje & Race under the Master Services Agreement. By having a consistent and familiar point of contact, we find we are able to provide our clients with the highest level of service. However, if I am unable to fulfill that role, please be assured that the entire Brelje & Race management staff have extensive engineering design and project management experience and will step in as necessary.

Brelje & Race proposes no exceptions to the indemnification, insurance, or other terms of the City's standard professional services agreement. Should you have any questions or require further information regarding our qualifications, please feel free to contact me at (707) 636-3740 or [jeane@brce.com](mailto:jeane@brce.com). I want to thank you for the opportunity to submit our qualifications to the City for professional engineering services. Our team is available to commence work immediately and we look forward to hearing from you.

Very truly yours,

BRELJE & RACE



---

M. Sean Jeane, P.E.  
Senior Principal

enc.

(this page intentionally left blank)

# Table of Contents

A. Firm Description.....	1
B. Relevant Experience and References.....	2
C. Key Personnel Qualifications.....	11
D. Scope of Work.....	16
E. Budget and Schedule of Charges .....	20
F. Work Schedule.....	20
G. Insurance.....	21
H. Consultant Agreement.....	22

Appendix A: Resumes

Appendix B: Rate Schedules

(this page intentionally left blank)

# Firm Description

Brelje & Race Consulting Engineers is a multi-disciplined firm offering a broad range of civil engineering planning and design, construction management, environmental permitting and land surveying services. Since our founding in Santa Rosa in 1954, we've earned a reputation as a leading civil engineering firm in the North Bay through our high-quality technical work and outstanding client service. A broad mix of clients and projects and our long history of service in the area have allowed Brelje & Race to develop a unique understanding of the issues involved in developing and completing successful projects in an environment of competing interests and robust regulatory oversight.

Brelje & Race operates out of a single office in Santa Rosa and is a S-Corporation registered in California. Our staff presently includes 14 professional engineers, two professional land surveyors, an environmental planning and permitting specialist, a Qualified Stormwater Developer and Practitioner (QSD/QSP), and a supporting group of CAD technicians, EIT-credentialed engineering technicians, construction inspectors, and clerical personnel. The organization is extremely stable - most of the key members of our firm have been with us for over fifteen years.

Brelje & Race has built its well-deserved reputation through practical application of sound engineering principles and professional service. We also stay abreast of the latest developments in the industry and have the staff and expertise to successfully complete any project. Several of our senior engineering staff possess extensive experience in the design, permitting, and construction management of new facility construction, utility replacement and rehabilitation projects, and roadway and other infrastructure improvement projects. For seven decades our firm has provided these services to municipalities and local agencies throughout the North Coast.

Our professional culture strongly supports in-house consultations and peer review. Sharing information and collaboration are mainstays that have provided efficient and cost-effective design solutions, and addressed unique circumstances during construction. While specific individuals will be slated for specific project tasks, Brelje & Race's significant depth of experience will be fully employed for City of Fort Bragg (City) on all projects.

Our objective is to provide the City with superior quality service and technically competent solutions. Brelje & Race will achieve that objective through application of the following fundamental concepts:

- Maintain great working relationships and open lines of communication with City staff
- Assemble the best team for every project
- Build upon past accomplishments and experience
- See every project through to successful completion

#### Primary Contact:

M. Sean Jeane, P.E., Senior Principal  
707-636-3740, jeane@brce.com

**Brelje & Race**  
CONSULTING ENGINEERS



Over  
**35**  
employees

Based in one  
**Sonoma  
County**  
office

**14**  
professional  
engineers

**2**  
professional  
land surveyors



The Brelje & Race team is based in a single office near the Sonoma County Airport.

# Relevant Experience and References

The following section provides references for clients for whom Brelje & Race has provided services similar to those sought by the City. Under each client listing, are a detailed description of a select project and a brief listing of other representative projects. We encourage you to contact our references to gain additional insight into the superior quality of service that Brelje & Race provides to all of our clients.

## City of Rohnert Park

### Water Storage Tank 8, Dual Pipelines and Multi-Use Access Road

The City embarked on the construction of a new water storage tank to meet growing demand from a major new housing development. Brelje & Race assisted the City with negotiating the project scope required to build the tank with the developer. Brelje & Race then provided peer review of original designs, design services for site plan alterations and construction management for the installation of the 900,000-gallon welded steel water storage tank, half-mile underground dual 12-inch and 16-inch water pipelines, half-mile combination access road and multi-use path with a Contech steel and concrete vehicular bridge and 300 ft long by 22 ft tall soil nail retaining wall. Initial site redesign allowed for future construction of a second water tank on site. Subsequent redesigns responded to site constraints that emerged during construction, realigning the access road/path and other improvements around protected resources. Brelje & Race provided construction management and inspection services that kept the project on track while navigating complex requirements around protected cultural resources and bridge construction over jurisdictional wetlands.



#### FEE

Design and CM/Inspection: \$1.12 million (\$250,000 in subconsultants)

#### DATES

2018-2020

#### CONSTRUCTION COST

Estimate: \$4.35 million (by others)  
Actual: \$6.39 million

#### PROJECT TEAM

Sean Jeane – Principal-in-Charge and Construction Manager  
George Potter – Resident Engineer / Construction Inspector  
Benjamin Bryant – Design Engineer  
Brennen Urbanek – Engineering Technician

#### KEY PROJECT ELEMENTS

- Engineering Design
- Peer Review
- Environmental Consulting
- Construction Management
- Construction Inspection
- Land Surveying

#### Additional project experience for the City of Rohnert Park includes (listed in alphabetical order):

- Sidewalk & Driveway Replacement, 2019-2020
- Rohnert Park Tank 9 Site Development, Design 2021-2022, Construction Management 2022-2024
- SE Specific Plan Area Water Transmission Main, 2018-2020
- Sewer Interceptor Outfall Rehab - Ph. I-II Construction Management, 2020-2023
- SOMO Village Area Modeling - Phase I 2020, Phase II 2024
- SSU Trunk Sewer Rehabilitation, 2019-2021
- Stadium Lands Specific Plan Area Pressure Analysis, 2022
- Trail to Crane Creek Regional Park, Design 2017-2022, Construction Management 2022-current
- Valve Exercise and Flushing Program, 2017-2018
- Wet Well Lining Construction Management, 2018-2019
- Well Facility Assessments & Design, 2020-2023

#### REFERENCES

**Mark Henderson**, Public Works Director  
City of Rohnert Park  
600 Enterprise Drive, Rohnert Park, CA 94928  
(707) 588-3316, mhenderson@rpcity.org

**Justin Brandt**, Deputy City Engineer  
City of Rohnert Park  
600 Enterprise Drive, Rohnert Park, CA 94928  
(707) 588-2252, jbrandt@rpcity.org

# City of Santa Rosa

## Cobblestone Drive Zone R2 to R4 Water Main Connection

Brelje & Race was selected to design an intertie between water system pressure zones R2 and R4 to correct sub-optimal fire protection water flows. A new 10-inch HDPE intertie pipeline spanned approximately 1,100 LF between Tillmont Way and Cobblestone Drive through an easement across a private corporate campus. A new PRV station was installed before the tie-in to maintain separate pressure zones. In addition, in order to isolate the Cobblestone Drive neighborhood water system to create a new pressure zone, approximately 174 LF of 8” diameter PVC water pipe was installed near the southern end of the Cobblestone Drive loop.

Brelje & Race evaluated two alternative alignments for the intertie and prepared construction documents for the preferred alignment. Brelje & Race also led environmental compliance, coordinating biological and cultural resource consultants, and preparing an Initial Study/Mitigated Negative Declaration as required under CEQA. Our team developed exhibits to support the right-of-way acquisition process and provided limited construction administration services.



**FEE**  
\$205,191

**DATES**  
2017-2024

**CONSTRUCTION COST**  
Estimate: \$566,230  
Actual: \$523,132

### PROJECT TEAM

Dave Coleman – Principal-in-Charge  
Dyanna Stetina – Project Manager  
Ben Bryant – Design Engineer  
Justin Witt – Environmental Planner

### SERVICE CATEGORIES

- Engineering Design Services
- Planning & Asset Management
- CEQA Compliance
- Environmental Consulting Services
- Construction Administration
- Land Surveying

### OTHER CLIENT REFERENCES

**Sara Kozol**, Supervising Engineer  
City of Santa Rosa  
69 Stony Circle, Santa Rosa, CA 95401  
(707) 543-3866, skozol@srcity.org

**Tracy Duenas**, Supervising Engineer  
City of Santa Rosa  
69 Stony Circle, Santa Rosa, CA 95401  
(707) 543-3952, tduenas@srcity.org

**Gregory Mariscal**, Supervising Engineer  
City of Santa Rosa  
69 Stony Circle, Santa Rosa, CA 95401  
(707) 543-3832, gmariscal@srcity.org

**Mike Prinz**, Deputy Director – Operations  
City of Santa Rosa Subregional Operations  
4300 Llano Road, Santa Rosa, CA 95407  
(707) 543-3876, mprinz@srcity.org

### Additional project experience for the City of Santa Rosa includes (listed in alphabetical order):

- Albany, Clement, and Malano Sewer & Water Replacement, 2021-2024
- Alvarado Avenue & Mt Olive Water & Sewer Replacement, 2017-2020
- B St. Traffic Slurry Seal & Turn Pocket, 2021-current
- Backup Generators for Water & Wastewater Facilities, 2020-current
- Calistoga Road Reconstruction and Utility Replacement, 2021-current



Temporary Bypass Pumping for the City of Santa Rosa Crosstown Trunk Sewer Replacement



*City of Santa Rosa New Backup Generator*



*City of Santa Rosa Slater and Lewrosa Sewer & Water Replacement*

- Cobblestone Drive Zone R2-R4 Connection, 2017-2024
- Country Manor Lift Station Replacement, 2023-current
- Crosstown Trunk Sewer Replacement (3 Segments), 2020-2023
- CSR Reclamation Pump Station Building Replacement, 2024-current
- Delta Pond and Pond 2 Inundation Mapping and Emergency Action Plans, 2018-2020
- Dotti Farm Recycled Water Main Improvements, 2019-2024
- Evaluation & Assessment of Recycled Water Discharge Infrastructure, 2021-current
- Fulton Rd Lift Station 11 Relocation, 2025-current
- Fulton Road Sewer Crossing at Santa Rosa Creek, 2018-current
- Geysers-Delta Connection Improvements, Design 2017-2022, Construction Management 2022-current
- Grosse Avenue Sewer and Water Replacement Construction Management, 2019-2021
- Lake Ralphine & Fountaingrove Inundation Mapping and Emergency Action Plans, 2021-2023
- Laguna Treatment Plant Potable Water Improvements, 2023-current
- Llano Trunk Rehab Phase 1 Peer Review, 2025
- LTP Filter Valves & Actuators Replacement, 2021-current
- Meyers Dr Sewer & Water Improvements, 2025-current
- Pump Station 1 Retaining Wall Improvements, 2023-2024
- Pump Station 9 Electrical Upgrades, 2022-current
- R3 Antenna Mast, 2022-2024
- R5 Replacement Evaluation, 2023-current
- R7 Tank Concerns, 2023-current
- Rock Creek & Matanzas Water Main Replacement, 2020-current
- S3 Pump Station Improvements, 2013-2020
- S3 to R3 Telemetry Conduit, 2023-2024
- Santa Rosa Creek Trail Dutton Avenue Access, 2021-current
- Slater and Lewrosa Sewer and Water Construction Inspection, 2021-2023
- Slope Protection for Ponds B, C, D and Delta Pond, Design 2016-2019, Construction Management 2019-2021
- Spring Creek Sewer Crossing Relocation, 2024-current
- Spring Lake Lift Station Improvements, 2014-2020 SWLID Design Example, 2022-2024
- Tank & Pump Station Seismic Upgrades, Phase 5, 2020-current
- Traffic Signalization at Hearn & Burbank CEQA Review, 2022-current
- Water Station 4 Facility Assessment, 2021-current
- West College Wet Weather Emergency Pumps, design 2019-2022, Construction Management, 2022-2024
- WRP Flood Protection Design, 2017-current

# City of Petaluma

## Manor Lane Tank Rehabilitation

The City engaged Brelje & Race to provide engineering design services for the rehabilitation of the 2.0 MG water storage tank on Manor Lane. Erected in 1990, welded steel tank's coating system had exceeded its useful life and showed signs of corrosion and deterioration. Brelje & Race conducted a visual inspection and prepared a technical memorandum detailing the tank conditions and recommended improvements. Brelje & Race also coordinated inspection and recommendations from tank seismic specialist Joe Engel. Brelje & Race prepared plans, specifications, and estimates for complete rehabilitation, including interior and exterior recoating, replacement or removal of degraded appurtenances and controls, and structural and electrical improvements to comply with current building code standards.

### SERVICE CATEGORIES

- Engineering Design Services
- Construction Management
- Construction Inspection

### Additional project experience for the City of Petaluma includes (listed in alphabetical order):

- Hardin Tank Rehabilitation, Design 2022-2024, Construction Management 2024-current
- Oak Hill Tank Evaluation, 2015-2016
- Paula Lane Tank Rehabilitation, Design 2014-2016, Construction Management 2016-2017
- Petaluma Airport Runway Drainage Improvements, 2023-current
- Petaluma Sports Complex Drainage Improvements, 2023-current



**FEE**  
\$87,500

**DATES**  
Evaluation: 2017.  
Design: 2020 to 2021.  
Construction: 2022.

**CONSTRUCTION COST**  
Estimate: \$1,100,000  
Actual: \$1,347,440

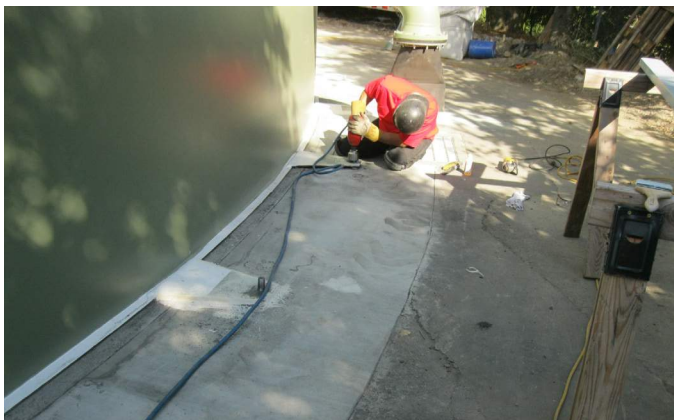
### PROJECT TEAM

Sean Jeane – Principal-in-Charge and Project Manager  
George Potter – Design Engineer

### REFERENCES

**Jonathan Sanglerat**, Engineering/CIP Manager  
City of Petaluma  
202 N McDowell Blvd, Petaluma, CA 94954  
(707) 778-4355, jsanglerat@cityofpetaluma.org

**Dan Herrera**, Senior Civil Engineer  
City of Petaluma  
202 N McDowell Blvd, Petaluma, CA 94954  
(707) 778-4589, DHerrera@cityofpetaluma.org



City of Petaluma Paula Lane Tank Rehabilitation



City of Petaluma Hardin Tank Rehabilitation

# Sonoma County Water Agency (Sonoma Water)

## Washington and Todd Creek Channels Retaining Wall Evaluation

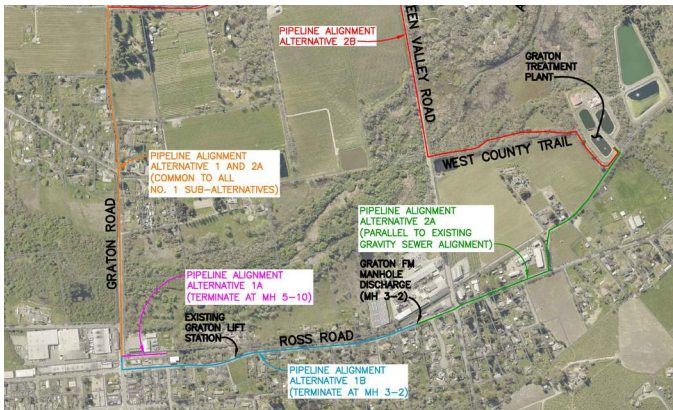
The Agency engaged Brelje & Race to evaluate failing retaining walls at two locations: the Todd Creek Channel in Santa Rosa and the Washington Creek Channel in Petaluma. For each Brelje & Race conducted a background document review and prepared a preliminary engineering report summarizing initial conclusions, environmental and permitting concerns, and recommended potential repairs. An engineer's estimate of probable construction costs for recommended repairs and recommended budgets for further investigations and design efforts provided the Agency with a project roadmap to address urgent conditions.

### SERVICE CATEGORIES

- Engineering Design Services
- Planning & Asset Management

### Additional project experience for Sonoma Water includes (listed in alphabetical order):

- Channel Drive Bridge Repair, 2021-current
- Monte Rio & Villa Grande Wastewater Treatment Study, 2021-current
- OCSD to Graton Feasibility Study, 2020-2022
- Inundation Mapping and Emergency Action Plans, 2020-2022
- River Diversion Structure Modernization, 2022-current
- Todd Channel Retaining Wall Repairs, 2023-current



Detail of alignment alternatives identified as part of the Occidental to Graton Wastewater Pipeline Feasibility Study.



The replacement retaining wall on the Washington Creek Channel.

### FEE

\$32,729

### DATES

2023-2024

### CONSTRUCTION COST

Estimate: \$980,000

(Washington Creek Channel)

Actual: Not Available

### PROJECT TEAM

Ben Bryant – Principal-in-Charge and Project Manager

Kevin Scalabrini – Design Engineer

RGH Consultants

ZFA Structural Engineers

### REFERENCES

**Alex Bodulow**, Water Agency Engineer III  
Sonoma Water

404 Aviation Blvd, Santa Rosa, CA 95403  
(707) 806-8270, Alex.Bodulow@scwa.ca.gov

**Dale Roberts**, Principal Engineer  
Sonoma Water

404 Aviation Blvd, Santa Rosa, CA 95403  
(707) 547-1979, dale.roberts@scwa.ca.gov

*Brelje & Race has extensive experience assisting local municipal clients under on-call service agreements. Our firm currently provides engineering design services for numerous local agencies on an on-call basis, including the following:*

- City of Santa Rosa
- City of Rohnert Park
- City of Cotati
- City of Healdsburg
- Town of Windsor
- Sonoma County Water Agency
- Sonoma County Public Infrastructure
- Sonoma County Regional Parks Department

## Town of Windsor

Brelje & Race has provided engineering design and construction management services to the Town of Windsor for the past 40 years. We have emphasized a high level of professional standards and service to our Client over these years.

Brelje & Race completed comprehensive Master Plans for the Town of Windsor in 1989 and in 2001, initiating the conversion of the wastewater treatment plant from secondary to tertiary, the creation of 80 million gallons of additional effluent storage, a significant change in the discharge location, and construction of an extensive recycled water irrigation system. EIRs on both of the Master Plans were certified, and the plans were used as a roadmap to develop the treatment plant and recycled water system. During that period the Town nearly tripled in size. The treatment plant, storage, discharge and recycled water irrigation systems, all designed by Brelje & Race, have proven to be very reliable; discharge violations are virtually nonexistent. Facilities include UV light disinfection, which has eliminated the requirement for chlorine disinfection, resulting in a safer working environment for operations staff and an effluent that is free of trihalomethanes (THMs). Brelje & Race has prepared several Reports of Waste Discharge and negotiated discharge permits with the Regional Board on behalf of the Town. Preliminary design reports were prepared for conversion of aerated ponds to extended air activated sludge. The report included an in-depth review of sequencing batch reactors and oxidation ditch technology; filter pilot testing and selection; selection of biosolids treatment and disposal alternatives; and comparison of disinfection alternatives. Engineering reports complying with the requirements of Title 22 were prepared for certification of the UV light disinfection system by the State Health Department and for the recycled water system.

Windsor's wastewater treatment plant features flow equalization, automatic screening and grit removal, Biolac extended air activated sludge treatment with nitrogen removal, diurnal flow equalization, deep circular secondary clarifiers, chemical addition and flocculation facilities, tertiary clarifiers, continuous backwash moving bed upflow DynaSand filters and UV light disinfection. Brelje & Race designed the Town's 80 million gallon effluent storage Pond No.7 and four effluent pump stations. Pressure control at the pump stations and in different distribution systems is achieved variously through a gravity surge control tank, large hydropneumatic tanks, and variable frequency drive pumping. An extensive recycled distribution system including more than 5 miles of 20-inch diameter pipe supplies water to more than 1400 acres of varied rural and urban uses.

## Pond 5 Berm Repair

Constructed in 1971, Pond 5 holds 10% of the Town wastewater treatment plant's total effluent capacity and prevents the discharge of up to 14.4 MG of wet weather flows on an annual basis. In 2019 a leak was observed on the east embankment of Pond 5. Considering several preliminary design alternatives, Brelje & Race determined that most cost-effective solution would be to install 1,400 LF of bentonite enhanced soil liner along the east and west berms. This was accomplished through excavation of existing slope protection and interior embankment soils, refilling with a mix of the exiting soil and bentonite, compacting the backfill, and replacement of the rock slope protection.

Brelje & Race prepared plans, specifications, and estimates for the improvements, assisted with bidding, and provided construction management and inspection. Brelje & Race ushered the project through an accelerated schedule to ensure construction was complete before the start of the winter rainy season.



**FEE**  
\$210,700

**DATES**  
March to September, 2020

**CONSTRUCTION COST**  
Estimate: \$650,713  
Actual: \$672,445

**PROJECT TEAM**  
Dave Coleman – Principal-in-Charge and Project Manager  
Ben Bryant – Design Engineer  
George Potter – Resident Engineer.

### SERVICE CATEGORIES

- Engineering Design Services
- Construction Management
- Construction Inspection
- Land Surveying



*Town of Windsor Wastewater Treatment UV Replacement*



*Aerial View of the Town of Windsor Wastewater Treatment Plant*

**Additional project experience for the Town of Windsor includes (listed in alphabetical order):**

- Biosolids Monitoring, 2018-2020
- Blower Building Ventilation and Access Improvements, 2018-2022
- CSA-31 Pump Station Rehabilitation, 2021-current
- Pond 10 Leak Repair, 2019-2020
- Recycled Water Master Plan, 2019-2020
- Recycled Water Storage & Outfall Assessment, 2021-2023
- Recycled Water Transfer Improvements CM & Inspection, 2022-current
- Recycled Water & Wastewater Storage Ponds & Discharge Evaluation, 2023-current
- UV System Replacement, 2021-2025
- Water Reclamation Plant AWT Clarifier No. 1 & 2 Rehabilitation, Design 2019-2020, Construction Management 2020-2022

**REFERENCES**

**Dave Ernst**, Wastewater Treatment Superintendent  
 Town of Windsor  
 8400 Windsor Road, Bldg 100, Windsor, CA 95492  
 (707) 838-5328, [dernst@townofwindsor.ca.gov](mailto:dernst@townofwindsor.ca.gov)

**Carl Euphrat**, Deputy Director of Engineering  
 Town of Windsor  
 8400 Windsor Road, Bldg 100, Windsor, CA 95492  
 (707) 838-1195, [ceuphrat@townofwindsor.com](mailto:ceuphrat@townofwindsor.com)

**Garrett Broughton**, Associate Civil Engineer  
 Town of Windsor  
 8400 Windsor Road, Bldg 100, Windsor, CA 95492  
 (707) 838-1211, [gbroughton@townofwindsor.ca.gov](mailto:gbroughton@townofwindsor.ca.gov)



*Town of Windsor Wastewater Pond 10 Leak Repair*



*Town of Windsor AWT Clarifier No. 1 Rehabilitation*

# City of Healdsburg

## Cabernet Road Culvert Replacement

The City engaged Brelje & Race to prepare bid-ready construction documents for the replacement of twin corrugated metal stormwater culverts under Cabernet Road. The failing culverts threatened the structural integrity of the road and caused significant land subsidence where the culverts daylighted into the open channel. The project replaced the culverts, converted the section experiencing significant land subsidence into an open channel, and replaced the road surface adjoining the drainage improvements.

The project was designed and built on an accelerated timeline. Notice to proceed for design was issued in June of 2024 and construction documents, bid, award, and construction were all completed by the end of September 2024. Services included land surveying and coordinating approvals from the Regional Water Quality Control Board.

### SERVICE CATEGORIES

- Engineering Design Services
- Planning & Asset Management
- Land Surveying

### Additional project experience for the City of Healdsburg includes (listed in alphabetical order):

- Cost Analysis of Sewer & Water System Replacement, 2023-2024
- Grant Street Water System Improvements, 2024-current
- Healdsburg Avenue Sewer Replacement, 2018-2020
- March Ave Reconstruction & Pedestrian Upgrades, 2025-current



### FEE

\$52,500

### DATES

June to September, 2024

### CONSTRUCTION COST

Estimate: \$309,500

Actual: \$294,799

### PROJECT TEAM

Benjamin Bryant –  
Principal-in-Charge and  
Project Manager  
Kevin Scalabrini – Design  
Engineer

### REFERENCE

**Clay Thistle**, Senior Civil Engineer  
City of Healdsburg  
401 Grove Street, Healdsburg, CA 95448  
(707) 431-3391, [cthistle@ci.healdsburg.ca.us](mailto:cthistle@ci.healdsburg.ca.us)

# City of Cotati

## William Street and Olof Street Sewer Main Replacements

Brelje & Race provided engineering design and construction management services for the replacement of approximately 1,400 LF of sewer main, six intermediate manholes, and 25 service laterals. The existing decaying 8-inch and 10-inch diameter mains were replaced with 12-inch piping. During construction, Brelje & Race provided comprehensive construction management services and performed daily construction observations, preparing daily reports, conducting the final inspection with City of Cotati staff, and preparing record drawings.

### SERVICE CATEGORIES

- Engineering Design Services
- Construction Management
- Construction Inspection
- Land Surveying

### Additional project experience for the City of Cotati includes (listed in alphabetical order):

- Cotati Sewer Collection System Repairs, 2021-2025
- Cypress Avenue Sewer Repairs, 2023-2024
- St. Joseph Way Sewer and Water Main Replacements, 2016-2019
- Water System Operations Support, 2019-2022
- Well Site 1A Tank Improvements, 2016-2018



### FEE

Design and CM: \$135,000

### DATES

Design:  
Construction: June to September 2020

### CONSTRUCTION COST

Estimate: \$727,835  
Actual: \$542,648

### PROJECT TEAM

Brent Beazor –  
Principal-in-Charge and  
Construction Manager  
George Potter – Resident  
Engineer/Construction  
Observation  
Brian Gong – Design  
Engineer

### REFERENCE

**Craig Scott**, Director of Public Works, City of Cotati  
201 W Sierra Ave, Cotati, CA 94931, (707) 665-3638,  
[cscott@cotaticity.org](mailto:cscott@cotaticity.org)



City of Cotati Cypress Avenue Sewer Repairs



City of Cotati Sewer Collection System Repairs

# Key Personnel Qualifications

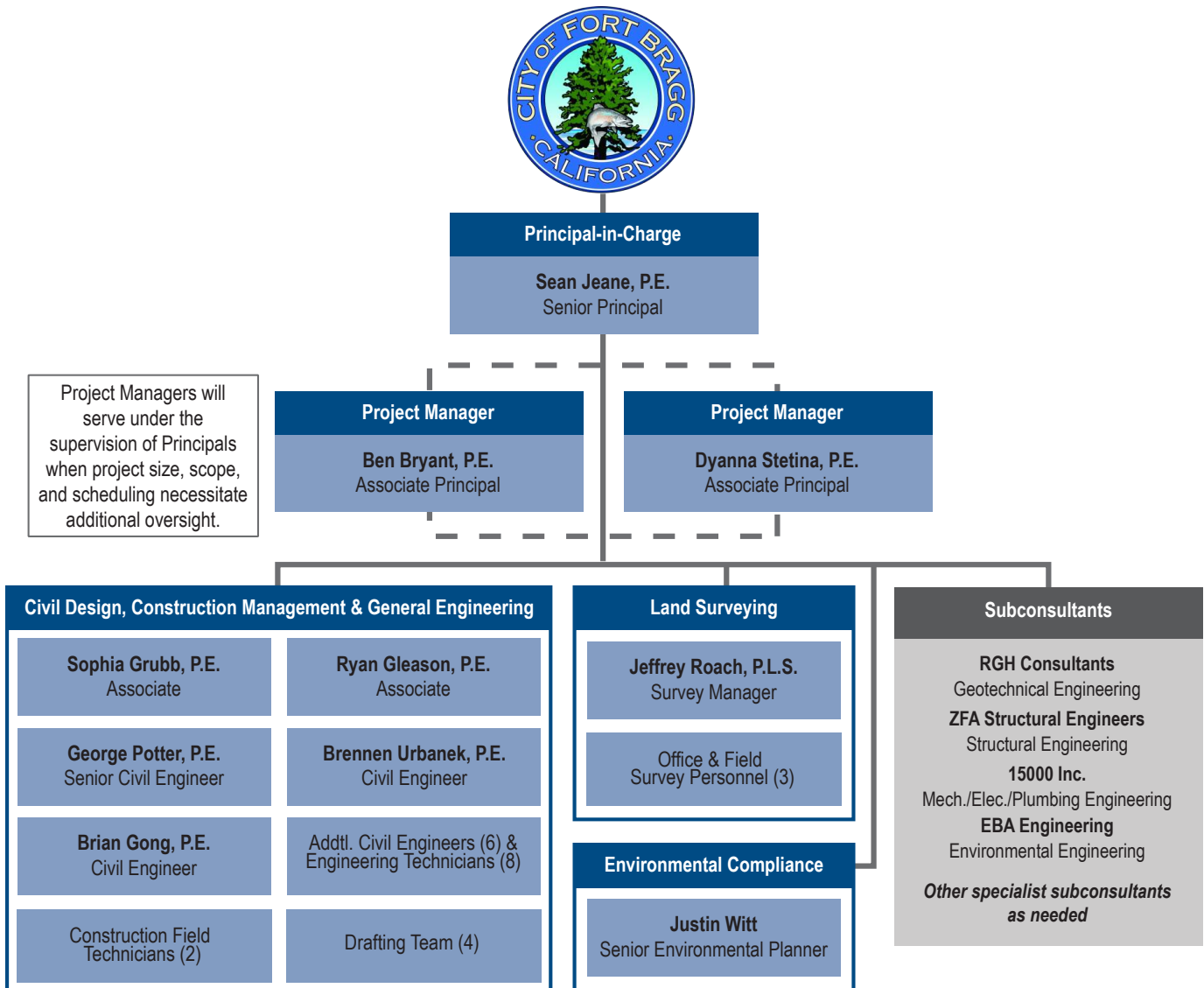
Successful completion of any project requires technical competence and managerial skills in the assigned personnel, development of a thorough work plan, and an understanding of the client’s needs. For the City of Fort Bragg, we have assembled a team of highly qualified and experienced professionals whose skills meet these requirements, and whose qualifications and responsibilities are suited to a wide variety of projects.

Senior Principal **Sean Jeane** will function as the Principal-in-Charge for all projects assigned to Brelje & Race under a master services agreement. Sean has been with Brelje & Race for 31 years with 35 years of overall experience and has been serving in a project management role for more than 25 of those years.

Sean has led on-call engineering and peer review services for local agencies and has served as Principal-in-Charge and Project Manager for numerous municipal projects.

When project size, scope, and scheduling necessitate additional project oversight, Associate Principal **Benjamin (Ben) Bryant**, and Associate Civil Engineer **Dyanna Stetina**, will act as Project Manager under Sean’s supervision. Ben brings 17 years of civil engineering experience, including civil design and construction management for water storage and distribution, roadway and pedestrian facilities, and hydraulic and hydrologic modeling projects. Dyanna brings 15 years of civil engineering experience, primarily in the planning and

**Figure 1: Team Organization Chart**



design of water infrastructure, including treatment, storage, and distribution systems. Dyanna has served as Project Manager for numerous engineering design, construction, and permitting compliance projects.

Sean will also lead development review and plan check for the City. Sean has provided these services for other local agencies, including the County of Sonoma and Cities of Rohnert Park and Santa Rosa. When additional capacity is needed, Associate Engineer **Ryan Gleason** will also support with development review services. Ryan brings 24 years of experience in site development, planning entitlements, and construction permitting and has supported Sean in providing on-call plan check services for the Sonoma County Permit and Resource Management Department (Permit Sonoma).

Under Sean’s leadership, Brelje & Race offers a large team of qualified design engineering and land surveying professionals with a wide range of expertise. Our staff have focused training and are specialists in specific aspects of civil engineering and related fields, including civil engineering design, preparing specifications, Geographic Information Systems (GIS) and related mapping, land surveying and topographic mapping, environmental

*Our supervisory and project management team will be supported by the rest of our qualified staff of over 35 professionals including civil engineers, engineering technicians, an environmental planner, several CAD drafters, land surveyors, and a Qualified Stormwater Developer (QSD).*

planning and permitting, and resident engineering and field inspection during construction. We have also included specialist subconsultants we commonly engage when necessary for our public agency clients. Brelje & Race has a longstanding history of successful partnership with each firm, delivering numerous successful projects for local municipalities and agencies.

Figure 1 depicts the organizational structure of Brelje & Race listing key professional staff likely to be utilized for City projects. Related qualifications, experience, roles, and responsibilities of key personnel are summarized in the following team matrix. Detailed resumes are included in **Appendix A**.

**Table 1: Summary of Key Personnel Qualifications and Experience**

Team Member	Qualifications and Experience
<p><b>Sean Jeane, P.E.</b> Senior Principal Role: Principal-in-Charge/Project Manager Professional Civil Engineer CA No. 52402</p>	<ul style="list-style-type: none"> <li>Over 35 years of civil engineering experience including 31 years with the firm.</li> <li>Seasoned project manager in planning, design, construction management, and peer review for private and public agency projects including roadway improvements; potable water storage, pipeline, treatment, and pump stations; water well design and rehabilitation; wastewater treatment and pumping facilities; parks planning and pathways; drainage systems and erosion control; and earth retaining structures.</li> </ul>
<p><b>Ben Bryant, P.E.</b> Associate Principal Role: Project Manager Professional Civil Engineer CA No. 79218</p>	<ul style="list-style-type: none"> <li>Associate Principal with 17 years of experience in the civil engineering field.</li> <li>Design experience in a broad range of projects, including water storage and distribution, wastewater collection and treatment, stormwater management, roadways and pedestrian facilities, hydraulic and hydrologic modeling, and land development.</li> <li>Resident engineering, construction management, and project start up assistance for public works projects, including water, wastewater, and storm drainage improvements.</li> </ul>
<p><b>Dyanna Stetina, P.E.</b> Associate Principal Role: Project Manager Professional Civil Engineer CA No. 83007</p>	<ul style="list-style-type: none"> <li>Associate Principal with 15 years of civil engineering experience</li> <li>Experienced with development of preliminary plan and profile drawings for project feasibility studies, capacity analysis and process design, equipment sizing and selection, piping layouts, plans and specifications preparation, cost estimating, and construction phase assistance</li> <li>Design engineer for local water and wastewater facility projects including: <ul style="list-style-type: none"> <li>» Water Storage Tank and Pipeline Replacements, Diamond A Mutual Water</li> <li>» Treatment Plant Facility Improvements, The Sea Ranch Water Company</li> <li>» Cobblestone Dr. R2 to R4 Water Main Connection, City of Santa Rosa</li> </ul> </li> </ul>

**Table 1: Summary of Key Personnel Qualifications and Experience (continued)**

Team Member	Qualifications and Experience
<p><b>Ryan Gleason, P.E.</b> Associate Civil Engineer Role: Project Manager for Plan Check Professional Civil Engineer CA No. 69215</p>	<ul style="list-style-type: none"> <li>Associate with 24 years of experience in the arena of site development, planning entitlements, and construction permitting.</li> <li>Extensive experience in the design of roadways, site developments, and drainage/storm water management.</li> <li>Proficient in applicable state and local standards relevant to civil site improvements, including stormwater permitting and compliance.</li> </ul>
<p><b>Sophia Grubb, P.E.</b> Associate Civil Engineer Role: Managing Engineer Professional Civil Engineer CA No. 87543</p>	<ul style="list-style-type: none"> <li>Associate Civil Engineer with 12 years of experience in the design and construction management of water and wastewater facilities.</li> <li>Experienced with feasibility analysis, capacity studies, hydraulic modeling, equipment sizing and selection, piping layouts, plans and specifications preparation, cost estimating, and construction phase assistance.</li> <li>Recent and current experience planning and designing utility improvements includes: <ul style="list-style-type: none"> <li>» Meyers Drive Sewer and Water Replacement, City of Santa Rosa</li> <li>» Crosstown Trunk Sewer Lining, City of Santa Rosa</li> <li>» Dotti Farm Recycled Water Main Improvement Project, City of Santa Rosa</li> </ul> </li> </ul>
<p><b>George Potter, P.E.</b> Senior Civil Engineer Role: Resident Engineer/Field Inspector Professional Civil Engineer CA No. 52700</p>	<ul style="list-style-type: none"> <li>Senior Civil Engineer with 37 years of experience, primarily planning and designing water and wastewater projects, resident engineering, and construction observation.</li> <li>Experienced in a broad range of projects including roadway paving, water storage and distribution, and facilities improvements (pump stations, roads, parking lots, treatment plants, and storage tanks).</li> <li>Specialized expertise in tank coatings design and construction observation, lead removal and hazardous waste. Certifications include Protective Coatings Inspector, HAZWOPER, and Confined Space.</li> </ul>
<p><b>Brian Gong, P.E.</b> Civil Engineer II Role: Design Engineer Professional Civil Engineer CA No. 88474</p>	<ul style="list-style-type: none"> <li>Civil Engineer with 11 years of civil design experience in the water and wastewater fields including master planning, report preparation, cost estimation, and hydraulic calculations.</li> <li>Proficient with Arc GIS and asset database management for both water and wastewater treatment facilities.</li> </ul>
<p><b>Brennen Urbanek, P.E.</b> Civil Engineer II Role: Design Engineer Professional Civil Engineer CA No. 95239</p>	<ul style="list-style-type: none"> <li>Civil Engineer with 11 years of civil design experience in site development, storm water mitigation, and pavement maintenance systems.</li> <li>Experience includes design of water distribution, water tank, and pathway projects for the Cities of Rohnert Park and Santa Rosa.</li> <li>Experienced with AutoCAD Civil 3D software to perform grading and drainage design.</li> </ul>
<p><b>Justin Witt</b> Senior Environmental Planner</p>	<ul style="list-style-type: none"> <li>Senior Environmental Planner with 27 years of experience in project administration and preparing environmental review documents and environmental permits.</li> <li>Skilled in preparation of CEQA documents (including EIRs, Initial Studies, review process, noticing requirements, and conducting public meetings).</li> <li>Proficient at preparing and processing environmental permits related to the U.S. Army Corps of Engineers, Regional Water Quality Control Board, the California Department of Fish and Wildlife and US Fish and Wildlife Service.</li> </ul>
<p><b>Jeff Roach, L.S.</b> Survey Manager Professional Land Surveyor CA No. 9158</p>	<ul style="list-style-type: none"> <li>Professional Land Surveyor with 31 years of experience in the field.</li> <li>Proficient in surveying boundary, topography, construction, utility, control, right of way, ALTA, and Flood Certificates for both public and private clients.</li> </ul>

## Subconsultant Partners

Brelje & Race's services will be supplemented by the specialized expertise of our team of subconsultants - all local firms based in the North Coast region. We have built strong relationships with each firm through years of collaboration on successful projects throughout the region. The following profiles briefly describe the experience and specialized services each firm offers.



### **RGH CONSULTANTS, INC.** **Geotechnical Engineering**

---

RGH Consultants is a privately owned S Corporation founded in 1991 as a full-service firm with expertise in geotechnical engineering, engineering geology, and construction observation and testing. RGH currently has 31 employees and has grown to become one of the largest locally owned geotechnical engineering firms in the northern Bay Area. Headquartered in Santa Rosa, RGH geotechnical testing laboratory is certified by the California Department of Transportation (Caltrans); the American Association of State Highway and Transportation Officials (AASHTO) resource, formerly AMRL; the Cement and Concrete Reference Laboratory (CCRL), which is a division of ASTM International; the California Division of the State Architect (DSA); and the United States Army Corps of Engineers (USACE). RGH's staff of professional engineers and geologists, field engineers and engineering technicians collectively have decades of experience in geotechnical engineering, engineering geology, construction observation, and materials testing in northern California with an emphasis on work in Lake, Marin, Mendocino, Napa, and Sonoma counties. These services have been provided on public works projects including design and construction of building expansions and remodels, new structures, pavement rehabilitation, bridges, and parks.

RGH Consultants has extensive experience with public works projects including design level geotechnical studies, geotechnical peer reviews, construction observation and testing, special inspections, and materials testing. RGH has developed a comprehensive working knowledge of the soil and geologic conditions in the North Coast, and an understanding of the performance of projects after construction. RGH's knowledge and expertise allow them to work closely with clients, design teams, and contractors to develop geotechnical solutions that are sound, practical, and cost-effective. RGH has successfully provided geotechnical engineering services as part of on-call contracts with the City of Petaluma, Napa Sanitation District, the City of Santa Rosa, The Town of Windsor, and the County of Sonoma.

### **ZFA STRUCTURAL ENGINEERS**

### **ZFA STRUCTURAL ENGINEERS** **Structural Engineer**

---

Since 1974, ZFA Structural Engineers (ZFA) has been a trusted partner for public agencies, specializing in the structural analysis, design, and evaluation of public sector buildings and infrastructure projects across California. With a robust team of over 90 employees, including 27 licensed Structural Engineers and 21 Professional Engineers, ZFA offers extensive expertise in new construction and the retrofit and revitalization of existing structures. ZFA's comprehensive services include feasibility studies and sustainable design solutions, ensuring every project meets the highest standards. Notably, ZFA holds a Master Services Agreement with the County of Mendocino, emphasizing their commitment and capability in providing exceptional structural engineering services to the public sector.



## **15000 INC.**

### **Mechanical Engineer**

15000 Inc. was founded in 2004 with specific goals in mind: to provide superior consulting mechanical engineering services to Architects, owners, developers, and contractors.

To achieve this, their team focuses on a combination of traditional and proven technologies coupled with a clear eye towards the future of mechanical engineering, technological advances, green construction, and carbon-free installations.

They have provided mechanical engineering and design services for several of the most energy efficient buildings in California; beginning with the first LEED Platinum rated school building in California to several “CHPS” school campuses through the state

15000 Inc. is a leader in sustainability and providing innovative and efficient solutions for project specific applications. In addition to taking pride in their craftsmanship, they feel honored to work with an incredibly talented and creative client base. They work with some of the most prominent and successful firms in California and beyond. Most of their work stems from past performances that have developed into long term relationships.

15000 Inc. maintains active participation in numerous industry organizations that require continuing education that keep them on the cutting edge of technology and engineering, among them; American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), United States Green Building Council (USGBC), American Society of Plumbing Engineers (ASPE), American Institute of Architects (AIA), Construction Specifications Institute (CSI), the AABC Commissioning Group (ACG) and the National Fire Protection Association (NFPA).

15000 Inc. is equipped with resources and staff able to accommodate all project needs in a timely manner. The firm’s staff include:

- 8 Staff, 2 Licensed Engineers
- Engineers Licensed in CA, NV, and UT
- LEED Accredited Professionals
- Certified Commissioning Firm
- CALGreen Special Inspection Accredited



## **EBA ENGINEERING**

### **Hazardous Materials Assessment**

EBA Engineers provides environmental services that include site assessments, underground storage tank evaluations, hydrogeologic investigations and soil and groundwater remediation services. EBA also has substantial experience in regulatory permitting, environmental restoration, stormwater and surface water management.

EBA has been serving clients since 1979 as an engineering and environmental consulting firm. EBA’s staff of engineers, geologists and environmental professionals have worked together to provide a comprehensive range of management and engineering services to private and public sector clients. EBA is continually involved with state and local regulatory agencies and maintains an active awareness of current regulations pertaining to design, planning and environmental issues. The firm has extensive project knowledge and experience working with the DTSC.

EBA has performed hundreds of Phase I Environmental Site Assessments at a large variety of private, commercial, industrial agricultural and municipal properties to assess the existing and potential risks and liability associated with development, redevelopment or purchase of land and to satisfy the site evaluation requirements of development requirements and lending institutions.

EBA has performed many Phase II site assessments in a variety of site settings that include agricultural, residential, commercial, and industrial properties. Phase II assessments can be performed using a variety of available approaches including geophysical surveys, soil and groundwater sampling, soil gas sampling and other investigative procedures. Collected samples are submitted to a State-certified analytical laboratory for analysis.

# Scope of Work

Brelje & Race has consistently demonstrated the ability to provide superior quality consulting civil engineering and land surveying services. Our capabilities have made us a trusted partner to local agencies on a broad range of improvement projects. Specifically, our staff has the expertise to take on projects in the civil engineering and land surveying areas noted in the City's RFP. We commonly engage subconsultants with expertise in structural engineering, mechanical engineering, environmental engineering related to environmental site assessment and remediation, and geotechnical engineering and materials testing when they are components of projects that we lead.

## General Approach

No matter what category of service is being provided, we aim to achieve the following objectives:

- Accurate determination of project scope during the early stages of the project.
- Select project team members that are experienced with the work anticipated and that compliment the capabilities of other members of the team.
- Conduct sufficient research to identify existing conditions that have a potential to interfere with the project objectives.
- Develop a reasonable project schedule and budget.
- Maintain regular communications with City staff and subconsultants.
- Produce a complete, clear, and concise final product.

Each assignment will require a unique scope and approach. The Project Manager will work closely with the City's Project Manager on each new assignment to arrive at the best possible methodology for successful implementation.

## Cost Control and Scheduling

Establishing a project scope and budget are integral to every project we do. The project is discussed in depth with the client to provide a firm project understanding from which tasks can be derived. Staff and hours are assigned to each task based on consideration of specific challenges of the current project. Budgets from subconsultants are requested, if required, and reviewed for thoroughness and appropriateness of cost. Based on these factors, final budget estimates are presented to the client for their consideration.

Once approved, our project budgets are monitored regularly and tracked closely. In addition to serving our

clients' needs, our meticulous budget management allows us to meet the rigorous reporting requirements mandated by State and Federal funding agencies.

Scheduling is often critical to project success. Our Project Managers are adept at evaluating the project needs and the client's desired timeframe against our staffing resources and availability to prepare a schedule that is realistic yet meets project goals.

## Preliminary Engineering Studies

Engineering planning services include a variety of tasks assisting the City to identify and develop appropriate capital improvements to City infrastructure, identify the expected costs to fund those improvements, and help to ensure the City receives the appropriate level of service and equipment for their planned expenditures. Our services may include master planning reports such as for water and wastewater systems, feasibility studies and engineering economic analyses, computerized hydraulic modeling of water or recycled water distribution systems, sewer and storm drain modeling, and peer review and value engineering of projects designed by others. Our team has also assisted with rate studies, the development of assessment districts, and engineering tasks in support of funding capital projects. Each of these services involves a wide range of potential approaches specific to the task at hand. Brelje & Race often performs these services for our local public agency clients.

## Engineering Design Services

Brelje & Race employs engineering expertise, sound planning, excellent communications and big-picture awareness in our approach to capital improvement project design. We use these guiding principles along with the basic steps below to deliver high-quality construction documents that often exceed the client's expectations.

### Preliminary Design and Permitting

1. Review any available background and historical information on the project, including geotechnical assessments, conditional use permit and design review approval, environmental documentation and other data provided by City staff. Check project description for consistency with approved environmental documents.
2. Prepare for and attend a project kick-off meeting with the City and design team members. Provide schedule of tasks that identifies key milestones.
3. Review project site to observe conditions and

discuss potential difficulties including sensitivity of surrounding property owners to the project.

4. When necessary, coordinate design level geotechnical and hazardous material evaluations of the site and proposed improvements and coordinate preparation of reports detailing the findings.
5. Conduct field surveys and develop a site topographic plan for use as a project base plan.
6. Check existing record information relative to parcel boundaries, easements and rights-of-way that may be affected by the project.
7. Review requirements associated with any public agency review and approval processes (Regional Water Quality Control Board, Department of Water Resources, Division of Drinking Water, etc.).
8. Prepare preliminary improvement plans developed to a 30% level and submit plans along with a design memorandum and preliminary estimate of probable construction cost for review and comment by City staff. Design memorandum generally includes elements such as special design considerations, any right-of-way, easement, or boundary issues, permit requirements, constraints and other considerations stemming from environmental review.
9. Investigate potential conflicts with existing utilities and identify locations where potholing may be recommended.
10. Prepare for and attend a design review meeting to discuss preliminary project findings and recommendations.

### **Construction Documents Preparation**

1. Incorporate City staff document review comments and design review meeting discussions into project design.
2. Address any utility conflicts discovered during the preliminary design phase.
3. Prepare an index of drawings expected to be required for the final construction documents package.
4. Perform all design calculations and engineering analysis necessary and prepare improvement plans for the project. Submit plans for review and comment to the City at the 30%, 60%, 90% and 100% completion levels.
5. Prepare draft technical specifications and submit with the 60% completion level plans. Update and submit technical specifications and include contract documents with the 90% and 100% completion level plans.
6. Incorporate recommendations made in the geotechnical report.

7. Update the estimate of probable construction costs at the 60%, 90% and 100% completion level and submit with improvement plans.
8. Prepare an estimate of working days necessary to construct the project at the 60% and 90% completion levels.
9. Prepare for and attend design review meetings associated with the 60% and 90% completion levels.
10. Prepare submittal documents packages and assist City with obtaining any permits and approvals required from other agencies.
11. Finalize improvement plans, technical specifications and contract documents. Provide stamped and signed final mylar improvement plans, a stamped and signed hard copy of the final technical specifications, contract documents and electronic versions of the final plans and contract documents.

### **Bidding Assistance**

After completion of final improvement plans, technical specifications and contract documents, we often also provide assistance during the bidding phase that includes the following tasks:

1. Respond to and maintain a log of questions from prospective bidders.
2. Prepare addenda or drawing revisions in response to bidder questions.
3. Attend the pre-bid conference.

### **Plan Check Review**

From our long-gained experience, Brelje & Race has learned that our clients are better served, and the project goals are better achieved by providing one highly experienced individual to act as liaison and overall project manager for all City review work and coordinate the efforts of our team members. By providing familiarity and continuity, our approach allows our project manager to gain a complete understanding of the City's internal protocols, priorities, and general expectations. In essence, our project manager becomes an extension of City staff who can be relied upon to work independently, and be trusted to reduce the work load of City staff members.

### **Project Manager Review**

Our project manager will be the point of contact for all review work assigned to Brelje & Race by the City. When projects are sent to Brelje & Race for review, the project manager will perform a brief initial review to determine the breadth and scope of the review tasks and then determine the appropriate staff person to perform the detailed review. It is anticipated that for most projects, the staff person with the lightest current workload will be assigned in order to expedite the review.



*Brelje & Race designed improvements to the City of Santa Rosa's S3 Pump Station Station (left) and designed and managed construction of ADA improvements for Sonoma County Transportation and Public Works in Occidental and Graton (right).*

However, for larger projects, or where special circumstances require particular knowledge, the most experienced and qualified person will be assigned regardless of their current workload.

### **Staff Site Visit, Review & Comments Matrix**

Staff assigned to a particular review will immediately schedule a site visit in order to verify the conditions depicted in the plans and to better understand the specific details of the site. Prior to their visit, they will perform an initial plan review and become familiar with the project details. After their site visit they will complete their review of the plans and calculations and prepare redline mark-ups directly on one set of plans/calculation sheets for return to the City. Additional sets can be marked, or additional copies made, depending on City preferences. Comments will be as thorough and complete as we can make them as we feel it is important to get all comments on the plans during the initial review.

Notations provided will be for any item not meeting the City's standards, for items omitted, or items needing additional notes or specifications to fully comply with standards. There will not be any subjective commentary, aesthetic or design preference notations. Only objective, enforceable commentary relating to published standard requirements will be offered. Should our reviewers have questions about the designs or calculations, they will contact the design engineer directly to have those questions answered. All communications will be logged and notes taken.

Comments from the plans will be compiled into an Excel spreadsheet matrix listing various pertinent reference information such as the sheet or page number the comment can be found on, the item on the sheet the comment pertains to (e.g. detail, notes, section, etc.), and the comment will be elaborated on further as compared to the brief notes marked on the plans or calculations. The matrix will be a convenient reference to both the design engineer and to us for ensuring all comments are addressed at the time of the resubmittal.

### **Quality Assurance & Document Return**

The project manager will spend sufficient time to review all comments generated, ensuring they are appropriate, and follow a standard for uniformity and clarity. Should there be revisions required, the project manager will either prepare the revisions directly, or route the documents back to the reviewer for them to make the revisions, depending on their extent and complexity. After all comments and the matrix are satisfactory, the project manager will prepare a brief cover letter and return all documents to the City. PDF copies of all documents will be provided.

### **Second Review**

After the design engineer has made corrections and resubmits for final review, our project manager will hand the resubmitted plans and calculations directly to the original reviewer. The original reviewer will then proceed to verify the completeness of the documents, ensuring all original comments were addressed adequately. Unless there are significant changes in the design from the original submittal, the reviewer will focus only on the responses provided to the original comments and that they were fully addressed.

For completed plans (no comments) a brief (standard format) letter will be prepared and returned to the City. Should there be comments or items still not addressed, those will be noted with redlines on the plans and returned to the City, with a brief letter outlining the extent and nature of the comments. Our project manager will review the work for quality assurance prior to sending any correspondence back to the City.

### **Peer Review**

As the design review and value engineering consultant, Brelje & Race will check the work of the design engineer and provide recommendations for corrections and improvements to the design with the intent of lowering costs, providing a better or more constructible product and avoiding change order work or construction claims during the construction phase. Work will be sequenced much as



*Brelje & Race offers 70 years of land surveying experience in the North Coast region.*

described for plan check review, with successive rounds based on the percent completion of project design and active coordination with City staff.

## Land Surveying

Since our founding in 1954, Brelje & Race has offered complete land surveying services in the North Bay. Over the last 70 years we have earned a reputation for consistently delivering accurate and reliable survey products for our clients. We're committed to providing our clients the professional care and service that only fully licensed engineers and land surveyors can provide. We offer qualified and licensed staff who utilize industry standard technologies like robotic total stations, GPS, digital levels, computer-aided-drafting, and GIS integration.

Our land surveying services for public agency clients (including municipal public works departments) are commonly a component of engineering design projects led by our professional engineering staff. Accordingly, our team has well-established relationships with local agencies throughout the region built over many years of successfully delivering comprehensive and accurate mapping and land surveying products.

The surveying department at Brelje & Race is truly a full-service operation. Our land surveyors, survey technicians, field crews, AutoCAD professionals, civil engineers, and specialty subconsultants work together seamlessly to produce a complete final product. The following details our experience, expertise, and approach:

### Topographic Surveys

In preparing topographic surveys we verify horizontal and vertical datum and cross section locations and intervals (if needed), conduct field surveys, and compile mapping conforming to project specifications. Our team performs a quality control review of our finished product including performing a comparison to field photos and/or a field verification.

### Boundary and Right-of-Way Surveys

In performing boundary and right-of-way surveys, we verify horizontal datum, determine availability and location of control monuments, compile ownership data for the parcels included within and immediately adjoining the project area (assessor parcel number, owner's name, last recorded document number), and obtain copies of recorded documents and maps that pertain to existing parcel boundaries and/or right-of-way applicable to project area. Next, we conduct field surveys to locate existing monuments and property corners pertaining to parcel boundaries and/or right of way. We prepare mapping of existing boundaries and right-of-way, determine and map the new right-of-way, and, if needed, prepare legal descriptions and plats for acquisitions.

### Preparation of Corner Records or Records of Survey

We prepare Corner Records or Records of Survey in accordance with State of California law and any local jurisdictional standards, submit a draft work product to County Surveyor for checking, make any requested revisions and once approved, forward document to County Recorder's office for filing or recording, as appropriate.

### Construction Staking or Verification of Contractor-Provided Construction Staking

In construction staking or verifying construction staking performed by others, we start by obtaining hard and electronic copies of improvement plans and information regarding project control. If no project control is available, we establish the project control network that meets construction specifications. Where control is available, we field check the control to verify that horizontal and vertical positions match published information. We perform construction staking as specified in the project construction specifications, or in the case of verification surveys, perform surveys to confirm contractor-provided construction staking conforms to the project construction specifications. Finally, we provide the client point plots and cut sheets for all requested construction staking.

A significant portion of our surveying workload consists of construction surveying. As such, we have become very adept at managing a varying workload. Our existing notification policy requires two working days' notice so we do not anticipate a problem with performing services for the City on short notice, if needed. One of the reasons we can do so is that we always maintain a staff of at least two party chiefs, even when our workload only requires a single survey crew. This allows us the capability to immediately double our capabilities without having to engage an additional party chief through the union hall. Chainmen are typically readily available and if not, apprentices can readily serve as second members on a crew when under the supervision of a party chief.

## Budget and Schedule of Charges

All services for the City will be performed on a time and materials basis based on hourly billing rates. For each City project we anticipate providing a fee estimate alongside a detailed scope of services under a task order agreement. See current rate schedules for Brelje & Race and our team of specialist subconsultants provided in **Appendix B**.

## Work Schedule

The time required to complete each project will depend on the nature and scope of the project. Brelje & Race will respond to all City requests within one week to confirm availability and kick-off establishing the project scope and budget. Our Project Manager will work proactively with City staff to define achievable project timelines based on City needs and staff availability. We will prioritize time from our Project Manager's schedule over the two year contract period to ensure capacity to serve the City. Note that while specific staff will be assigned to each project, the City will benefit from access to Brelje & Race's staff of over 35 civil engineering, land surveying, and administrative professionals who can step in to support any project that may require additional staffing resources.

### Plan Check Timelines

Given our planned approach, we estimate larger initial plan sets can be turned around and back to the City within ten working days (or less) based on the following operations:

- Plans are provided electronically in PDF format alongside notification of a pending review by City staff (additional time may be required to transmit plans if only available in paper format).
- Plan sets and calculations will have a brief initial review by the project manager and then be assigned to the appropriate staff member for review. This will occur by the end of the next business day after the plans are received. A reviewer's current workload will be considered when assigning projects in order to have the fastest turn-around time. If the project includes aspects that require review by a particular person, then the project will be assigned to that person despite current workloads. This case is likely

to be uncommon as our staff are all capable of performing most review aspects likely to be needed.

- For most projects, we anticipate needing three to five days to schedule a site visit, complete the review with redline markups and prepare a written response matrix with listed items needing correction. Of course, each project will be different, and depending upon the thoroughness of the plans submitted, the review may go very quickly or take more time to complete.
- The coordinator will do a final review for quality assurance purposes, and either make corrections directly or return to the reviewer for corrections as necessary, and then prepare a cover letter and return the package to the City. We anticipate the quality assurance process to take no more than two days.
- Resubmittals turned in after the initial review will be given directly to the original reviewer and only checked to ensure the original comments were addressed. A brief form letter will be prepared and sent back to the City with our comments regarding items needing further attention, if necessary. Only items not addressed adequately will be noted. We anticipate turning around plans resubmitted for additional review within two to three days after they are received unless significant changes have occurred.

Smaller plan sets with only one or two sheets will likely be turned around in three to five days, but all of our planned approach steps will be followed just the same.



# Consultant Agreement

Brelje & Race has reviewed the City's standard consultant services agreement attached as Exhibit A to the RFP. We propose no exception to the City's standard provisions as stated.

# Resumes

## **Brelje & Race Consulting Engineers**

**Sean Jeane, P.E.**

**Benjamin Bryant, P.E.**

**Dyanna Stetina, P.E.**

**Ryan Gleason, P.E.**

**Sophia Grubb, P.E.**

**George Potter, P.E.**

**Brian Gong, P.E.**

**Brennen Urbanek, P.E.**

**Jeff Roach, L.S.**

**Justin Witt**

## **RGH Consultants, Inc.**

**Eric Chase, G.E.**

**Jared Pratt, C.E.G.**

## **ZFA Structural Engineers**

**Kevin Zucco, S.E.**

**Christian Botto, S.E.**

## **15000 Inc.**

**Matt Torre, P.E.**

## **EBA Engineering**

**David Noren**

**Kevin Coker**

**Max Kruzic**

(this page intentionally left blank)

## M. SEAN JEANE, P.E.



### Education

B.S., Civil Engineering,  
California State University,  
Chico, 1988

### Registration

Professional Civil Engineer,  
CA No. C52402 (1994)

### Training/Certifications

Kentucky Pipe Networks,  
University of Kentucky,  
  
Haestad Methods Cybernet/  
WaterCAD  
  
MWH Soft H2ONet Water  
Model Workshop

### Professional Affiliations

American Council of  
Engineering Companies,  
North Coast Chapter, Past  
President  
  
American Water Works  
Association

Leadership Santa Rosa Class  
XXIV

### Experience

Joined firm in 1995  
Entered profession in 1991

Sean Jeane is a Senior Principal with 35 years of civil engineering experience, including 31 years with Brelje & Race. Sean's professional experience has spanned master planning, preparation of construction documents, and construction management for streets, sidewalks and walking/biking paths, potable water infrastructure, and wastewater treatment and conveyance facilities. His potable water portfolio has included both private and public clients in the areas of master planning, hydraulic modeling, treatment facilities, storage tanks, transmission and distribution piping, pump stations and municipal supply wells. His wastewater portfolio for municipal clients has covered various types of treatment facilities, sewer lift stations, sludge handling and drying, and sewer main rehabilitation. More recently his design and project management experience has expanded to include roadway rehabilitation, accessibility improvements, ADA compliant pedestrian and bike paths, and other recreational/park facilities. Additional services he's provided have included performing third-party grading and drainage review for the County of Sonoma and providing on-call construction management, peer review and value engineering assistance to the City of Rohnert Park and other clients.

## Water Utility Planning and Design

### City of Rohnert Park

- Water Storage Tank 8 and Transmission Mains
- Hydraulic Model Study Update
- Rohnert Park Expressway 16-inch Transmission Main
- Tank Exterior Recoating – Tanks 1, 3, 4, and 5
- Water System Hydraulic Model Study
- Water System Capital Improvement Program
- Commercial Meter Replacement, Phase III

### City of Santa Rosa

- S3 Pump Station Pump and Emergency Generator Additions
- Storage Reservoir Seismic Upgrades, Phases I and II
- Proctor Heights Water Storage Tanks and Pump Station

### Callayomi County Water District, Middletown, CA

- Water Treatment Plant and Office Replacement

### City of Petaluma

- Paula Lane Tank Evaluation and Rehabilitation
- Hardin Lane Tank Evaluation and Rehabilitation
- Manor Tank Evaluation and Rehabilitation

### Camp Meeker Recreation and Park District, Occidental, CA

- Water Supply Well, Treatment Plant, Transmission and Storage

### Valley of the Moon Water District

- Bolli Water Storage Tanks
- Hydraulic Model and Master Water Plan
- Water Mains Replacement Projects (Various)

### Hopland Public Utilities District

- Hydraulic Model and Water Master Plan

## **M. SEAN JEANE, P.E.**

- East and West Water Storage Tanks

### **Redwood Valley County Water District**

- Water System Hydraulic Model and Planning Report
- Irrigation System Hydraulic Model and Planning Report

### **Site Development/ADA Compliance/Trails and Pathways**

#### **Sonoma County Agricultural Preservation and Open Space District**

- North Sonoma Mountain Trail Staging Area and Equestrian Bridge

#### **City of Rohnert Park**

- Water Storage Tank 8 and Transmission Mains Access Road with Spur Trail
- Water Storage Tank 9 Pad and Retaining Wall Improvements
- 2019 Sidewalk and Driveway Improvements
- Trail to Crane Creek Regional Park and ADA Improvements
- Copeland Creek Bike Path Reconstruction

#### **City of Santa Rosa**

- B Street Rehabilitation and ADA Improvements
- Calistoga Road Reconstruction and ADA Improvements
- Proctor Heights ADA Walking Path

#### **City of Petaluma**

- Municipal Airport Drainage Improvements
- Sports Complex Drainage Investigation and Mitigation

#### **County of Sonoma**

- Graton and Occidental ADA Improvements, Phases I through III
- Airport Closed Landfill Site Compost Facility Feasibility Study

### **Plan Check / Peer Review**

#### **City of Santa Rosa**

- Pierson Street Rehabilitation Project
- Plan Check of Private Development Projects (Various)

#### **County of Sonoma Permit and Resource Management Department**

- Grading and Drainage Plan Checking Project Manager

#### **City of Rohnert Park**

- Eastside Trunk Sewer Phases II and III
- University District Programmatic Assistance
- Sewer and Water Rehabilitation Projects (Various)

### **Construction Management/Inspection**

#### **County of Sonoma**

- Graton ADA Improvements, Phases I - III

#### **City of Rohnert Park**

- Water Storage Tank 8 and Transmission Mains

## **M. SEAN JEANE, P.E.**

- Claussen Overcrossing and Highway 101 Sewer Lining
- 2016 Sewer Linings
- Adrian Sewer and Water Rehabilitation, Phases I and II
- Alta-Almond Sewer and Water Rehabilitation
- Graton Rancheria Sewer Lift Station and Force Main Installation
- Tanks 1, 3, 4 and 5 Exterior Recoating
- Tank 2 Interior Recoating
- Copeland Creek Bike Path Reconstruction

### **City of Santa Rosa**

- Slater St and Lewrosa Wy Sewer and Water Replacement Inspection
- Oakmont 12-inch Water Main Replacement
- S3 Pump Station Pumps and Emergency Generator Additions
- Storage Reservoir Seismic Upgrades – Phase I and Phase II
- Proctor Heights ADA Walking Path

### **Valley of the Moon Water District**

- Bolli Water Storage Tanks A and B and Water Transmission Main
- Water Main Replacement Projects (various)

### **Hidden Valley Lake Community Services District**

- Water Storage Reliability Project

# BENJAMIN BRYANT, P.E.



## Education

B.S., Civil Engineering,  
California State University,  
Chico, 2009

## Registration

Professional Civil Engineer,  
CA No. 79218

## Certifications

LEED AP

## Professional Affiliations

American Council of  
Engineering Companies

California Water  
Environment Association

U.S. Green Building Council

Wine Country Water Works  
Association

Water Environment  
Federation

## Experience

Joined firm in 2009

Entered profession in 2009

Benjamin (Ben) Bryant, an Associate Principal, has a broad range of experience in the fields of wastewater, water, and geotechnical engineering. His portfolio of municipal wastewater infrastructure projects includes feasibility studies, regulatory compliance, design, rehabilitation, engineering support during construction, peer review and project start-up and commissioning.

Ben has led many utility and embankment reservoir projects, comprised of scheduling, field exploration, geotechnical coordination, construction document development, bidding assistance, regulatory agency coordination and approval, hydraulic modeling, deep excavations, earthwork calculations, cost estimating, resident engineering, and construction management/inspection. He is accomplished at hydraulic modeling for evaluation of pressure and gravity flow pipe, and open channel flow systems.

## Water

### City of Santa Rosa

- Pump Station 1 Retaining Wall Improvements – Constructability Review and Design Revisions
- Albany, Clement, and Malano Water and Sewer Replacement
- Rock Creek and Matanzas Water and Sewer Replacement
- Water Station 4 Facility Assessment
- Tank and Pump Station Seismic Upgrades Phase 5
- Reclamation Reservoirs Dam Breach Modeling and Emergency Action Plans
- Backup Generator Replacements – Water & Wastewater Facilities
- Water Pump Station 9 Upgrades
- Brown Farm Water Pump Station 3 Modifications
- Station 13 Booster Pump Upgrades and Reservoir 12A Site Security

### Timber Cove County Water District

- Amanita Circle Water Main Replacement
- Ruoff Emergency Water Supply Well Source Water Permitting
- Raw Water Pumping System Modifications

### Forestville Water District

- Water System Asset Management Plan
- Young Ranch Storage Tank and Pressure Zone Control Modifications

### Town of Windsor

- Storage Tank Recoating and Access Improvements

### City of Healdsburg

- Cost Analysis for Sewer & Water System Replacement

### Yulupa Mutual Water District

- Source Water Well Permitting
- Iron and Manganese Removal System Design

### City of Rohnert Park

- Anderson 53 Tank (Tank 8) and Transmission Main

### Sonoma Water

- River Diversion Structure Modernization

# **BENJAMIN BRYANT, P.E.**

## **Wastewater and Recycled Water**

### **City of Santa Rosa**

- Country Manor Lift Station Replacement
- Fulton Road Sewer Lift Station Relocation
- Llano Trunk Sewer Rehabilitation Phase 1 Peer Review
- Pierson Street Sewer and Water Replacement Peer Review
- Laguna Plant Filter Valve and Actuator Replacements Phase 2
- Crosstown Trunk Sewer Lining
- Evaluation and Condition Assessment of Recycled Water Discharge Infrastructure
- Laguna Treatment Plant Flood Protection Project
- Reclamation Pump Station Building Replacement
- Geysers-Delta Connection Improvement Project
- Los Alamos Trunk Sewer Replacement, Preliminary Design and Segment 1
- West College Pond 1 Divider Levee
- Brown Farm Pond Drain Pipeline to Llano Trunk Sewer
- Spring Lake Lift Station Improvements and Geotechnical Corrections

### **Lake County Special Districts**

- Anderson Springs Sewer Improvements

### **Town of Windsor**

- Effluent Storage Pond 5 Dike Emergency Repair
- Effluent Storage Pond 5 Outlet Piping
- Aeration Basin Air Piping Improvements
- Wastewater Treatment Plant Mapping

### **Forestville Water District**

- Sewer Service Charge Methodology Modification, Study and Implementation
- Recycled Water Availability Evaluation
- Wastewater Treatment Plant Chlorination System
- Sewer System Planning Map and Modeling
- Sewer Inflow/Infiltration Compliance Project

## **Construction Management / Observation / Engineering Support during Construction**

### **City of Santa Rosa**

- Pump Station 1 Retaining Wall Improvements
- Geysers-Delta Connection Improvement
- Slater Street and Lewrosa Way Sewer and Water Replacement Inspection
- Grosse, El Camino, and Augustan Sewer and Water Replacement
- Spring Lake Lift Station Improvements and Geotechnical Corrections
- White Oak Drive Water Main Replacement
- Geysers Pipeline Stabilization – Pine Flat Road
- West College Pond 1 Divider Levee Project

### **Lake County Special Districts**

- Anderson Springs Sewer Improvements

# DYANNA STETINA, P.E.



## Education

B.S., Civil Engineering, and Engineering & Public Policy  
Carnegie Mellon University,  
Pittsburgh, PA, 2011

## Registration

Professional Civil Engineer,  
CA No. 83007

## Certifications

Construction Specifications  
Institute – Construction  
Documents Technologist

## Professional Affiliations

American Society of Civil  
Engineers – Redwood  
Empire Branch  
Past President

Wine Country Water Works  
Association – Director

## Experience

Joined firm in 2011  
Entered profession in 2011

Associate Principal Dyanna Stetina focuses in water, wastewater, and site development design. She has a strong background in demand/capacity estimating, evaluation/analysis, cost estimating, and contract preparation for water and wastewater treatment, supply, distribution, pump station and storage facilities. Her expertise also includes entitlements, site development, and stormwater management for private winery and vineyard projects.

## Water

### City of Santa Rosa

- Cobblestone Drive Zone R2-R4 Connection
- Silva Avenue and King Street Water Replacement
- King Street Sewer and Water Replacement
- Laguna Plant Potable Water Pressure System

### Forestville Water District

- Young Tank Replacement
- Young Tank Turnover Control Valve Station
- Pressure Reducing Valve Assessment and Replacement

### The Sea Ranch Water Company

- Treatment Plant Backwash Facility Improvements
- Reservoir Valve Improvements

### Yulupa Mutual Water Company

- Water Main Replacement and Metering Project
- Upper Well Iron and Manganese Treatment Facility
- Upper Water Storage Tank Replacement

### Diamond A Mutual Water Company

- Drought Relief Pipeline Replacement
- Zone 3 Tank Replacement
- Zone 1 Tank Replacement
- Zone 2 Tank Replacement
- Water System Mapping Update

### Timber Cove County Water District

- Booster Pump Station Improvements
- Upper Koftinow Pipe Loop
- Source Capacity Planning Study
- Permit Amendment for TTHM Removal Equipment

### Bodega Water Company

- Water System Improvements

### Meyers Water Company

- Manganese Removal Treatment System and Public Water System Permit Amendment

### Valley of the Moon Water District

- H2ONET Water Model

# RYAN GLEASON, P.E.



## Education

B.S., Civil Engineering,  
California Polytechnic State  
University, San Luis Obispo,  
2002

## Registration

Professional Civil Engineer,  
CA No. C69215

## Professional Affiliations

American Society of Civil  
Engineers

American Institute of  
Architects

## Experience

Joined firm in 2008  
Entered profession in 2002

Associate Civil Engineer Ryan Gleason has 24 years of experience in the planning, design, and construction administration of site development projects throughout the North Coast. His portfolio includes commercial, residential, healthcare, schools, wineries, and roadway projects. Ryan is proficient in compliance with stormwater regulations, including NPDES permitting, stormwater master planning, and the preparation of SWPPPs and stormwater mitigation plans. Ryan is adept at using AutoCAD Civil 3D for design and analysis.

## Plan Check / Peer Review

- Grading and Drainage Plan Check, Permit Sonoma

## Site Development

- Mendocino College EV Tech Renovation, Ukiah, CA
- Mendocino College North County Center Phase II, Willits, CA
- Sonoma State University Parking Lot Reconstruction, Rohnert Park, CA
- College of Marin Academic Center Building, Kentfield, CA
- Vintage Oaks on the Town Green Mixed Use Development, Windsor, CA
- Montgomery High School Classroom Addition, Santa Rosa, CA
- Healdsburg High School, Healdsburg, CA
- Kaiser Medical Office Buildings, Santa Rosa, CA

## Roadway New Construction and Improvements

- 5340 and 5352 Old Redwood Highway Improvement, County of Sonoma
- King & Silva St Water/Sewer Replacement, City of Santa Rosa
- Bell Village Old Redwood Highway Frontage Improvements, Town of Windsor
- Bell Village Commercial Site Development, Windsor, CA
- Burbank Elementary School Offsite Improvements, Santa Rosa, CA
- Old Redwood Highway / Cricklewood Frontage Improvements Santa Rosa, CA
- Sutter Medical Center, Santa Rosa, CA
  - Hwy 101 Offramp Improvements
  - Mark West Springs Road Improvements
  - Mark West Springs Road / Old Redwood Highway Intersection
- Angela Center Water Line Improvements, Santa Rosa, CA
- County of Sonoma ADA Improvements, Graton and Occidental, CA
- Aviation Boulevard Crosswalk and ADA sidewalk improvements, Santa Rosa CA
- Skyfarm Unit 3 improvement plans and final map, Santa Rosa, CA
- Airport Business Center Phase IV County Public Improvement Plans, Jetway and Aviation Boulevard, Santa Rosa, CA

## Stormwater Management

### Sutter Medical Center of Santa Rosa

- Sutter Medical Center Hospital Construction SWPPP Preparation
- Stormwater Mitigation Plan Preparation

### Luther Burbank Center for the Arts

- Maintenance Building Construction SWPPP Preparation
- Stormwater Mitigation Plan Preparation

# SOPHIA GRUBB, M.S., P.E.



## Education

M.S., Civil and Environmental Engineering, University of California, Berkeley, 2015

B.S., Civil and Environmental Engineering, University of California, Davis, 2014

## Registration

Professional Civil Engineer, CA No. 87543

CSI Construction Document Technologist

## Professional Affiliations

American Society of Civil Engineers

California Water Environment Association

Tau Beta Pi (Engineering Honor Society)

Toastmasters International

## Experience

Joined firm in 2014

Entered profession in 2014

Sophia Grubb is an Associate Civil Engineer specializing in water and wastewater resources. Her responsibilities include feasibility analysis, process design, equipment sizing and selection, plans and specifications preparation, cost estimating, construction phase assistance, and production of operations and maintenance manuals. Sophia's process expertise includes sewer capacity studies, hydraulic modeling, and piping layouts. She has collaborated with treatment facility operations staff to effect process improvement. Sophia is experienced in assisting clients with permitting and regulatory compliance, including preparing Reports of Waste Discharge.

## Water

### City of Santa Rosa

- Meyers Drive Sewer and Water Replacement

### Callayomi County Water District

- Water Treatment Plant and Office Replacement

### Alliance Redwoods Conference Grounds

- Dutch Bill Creek Water Conservation Project
- Potable and Non-Potable Water System Improvement Plans

### Occidental Community Services District

- Water Rate Study

### Sonoma Raceway

- Drinking Water System Operations Plan Update

### Camp Meeker Recreation and Park District

- Capital Improvement Plan

## Stormwater

### City of Cloverdale

- Healdsburg Avenue Storm Drain Relocation

### Oakmont Senior Living

- Oakmont of San Rafael Stormwater Lift Station

## Wastewater and Recycled Water

### Sonoma West Holdings

- NPDES Permit Renewal Assistance

### Town of Tiburon

- McKegney Field Recycled Water Feasibility Analysis

### City of Rohnert Park

- Water and Wastewater Study for Graton Casino and Resort Expansion

### Mayacama Golf Club

- Report of Waste Discharge and Title 22 Engineering Report

### Notre Vue Estate Winery & Vineyards

- On-Call Wastewater Compliance Assistance

# GEORGE W. POTTER III, P.E.



## Education

M.S., Civil Engineering,  
Brigham Young University,  
Utah, 1989

B.S., Civil Engineering,  
Brigham Young University,  
Utah, 1988

## Registration

Professional Civil Engineer,  
CA No. C52700  
TX No. 124507

## Certifications

Basic Coatings Inspector,  
Association for Materials  
Protection and Performance  
(AMPP), exp. 12/2027

Lead Paint Removal (SSPC-  
C3 Certification), 2/2011, 4-  
day onsite course by SSPC

24-Hour HAZWOPER  
(Hazardous Waste  
Operations and Emergency  
Response), under 29 CFR  
1910.120(e), 2/2011,  
Compliance Solutions

8-Hour HAZWOPER  
Refresher, 3/2025,  
Compliance Solutions

Confined Space Entry, under  
29 CFR 1910.146, 7/2025,  
Compliance Solutions

Contractor Liability for  
Public Entities, 5/2010, Risk  
Management Solutions

Respirator Use, under 29  
CFR 1910.134, 4/2011,  
Compliance Solutions

Asphalt Inspector Series, 9.5  
hours, 5/2020, Asphalt  
Institute

## Professional Affiliations

American Society of Civil  
Engineers

American Water Works  
Association

Association for Materials  
Protection and Performance

## Experience

Joined firm in 1989

Entered profession in 1989

George Potter is a Senior Engineer with 37 years of civil engineering experience, primarily involved with the planning, design and construction management of water, wastewater, storm drainage, and roadway projects. He has also assumed the role of resident engineer for numerous infrastructure, utility piping, and water tank construction and recoating projects. George's design experience includes the preparation of technical reports, construction plans, and specifications for sewer mains, wastewater lift stations, water main replacements, water storage tanks, and water pumping stations. As the Program Administrator in charge of Brelje & Race's Injury and Illness Prevention Program, George manages employee work site hazard assessment education and development of Site Specific Health and Safety Plans for their construction site activities.

## Construction Management and Inspection

### Redwood Valley County Water District

- Water Infrastructure Retrofit Project

### City of Santa Rosa

- Geysers Pipeline-Delta Pond Connection Improvements
- Slater St and Lewrosa Wy Sewer and Water Replacement
- Oakmont Water Main Replacements
- A Place to Play Recycled Water Irrigation Pump Station
- Seismic Upgrades & Improvements, Tanks R2-A, R4B and R-14
- Geysers Recharge Pump Station Expansion
- Meadow Lane and Rohnert Park Pump Station Retrofits

### City of Rohnert Park

- Water Storage Tank 8 and Transmission Mains
- Water Storage Tank No. 2 Interior Recoating
- Water Storage Tanks 1, 3, 4, and 5 Coatings
- Adrian Dr Sewer and Water Rehabilitation Phase 1

### City of Cotati

- St. Joseph Sewer Line Replacement
- William St and Olof St Sewer Replacements

### City of Cloverdale

- Water System Improvement Project Phase 2
- Clarifier and Filter Rehabilitations, Three Phases
- Ritter and South Crest Tank Design
- Hot Springs Tank Rehabilitation

### City of Petaluma

- Paula Lane Tank Evaluation and Rehabilitation
- Hardin Lane Tank Evaluation and Rehabilitation
- Manor Tank Evaluation and Rehabilitation

### Town of Windsor

- Welded Steel Water Storage Tank Rehabilitation – Lakewood Tanks I and II and Shiloh Tanks A, B and 4
- Storage Tank Warranty Recoating, Mayacama Golf Course
- Welded Steel Water Storage Tank Rehabilitation – Lakewood Tank II and Shiloh Tanks A, B and IV

# GEORGE W. POTTER III, P.E.

## **North Marin Water District**

- Water Treatment Plant Clear Wells Evaluation and Coating

## **Callayomi County Water District**

- Water Treatment Plant and System Upgrades

## **County of Sonoma**

- Graton ADA Improvements, Phase I

## **Inverness Public Utility District**

- Conner Tank Rehabilitation

## **Hidden Valley Lake Community Services District**

- Water Storage Reliability Project

## **Water / Wastewater**

### **City of Santa Rosa**

- Jack London Elementary School
- A Place to Play Recycled Water Irrigation Pump Station

### **Town of Windsor**

- Lakewood Water Storage Tank Rehabilitation

### **City of Rohnert Park**

- Water Storage Tanks 1, 3, 4, and 5 Coatings Evaluation Report
- Water Storage Tank 8 and Transmission Mains

### **City of Petaluma**

- Hardin Tank Evaluation and Rehabilitation
- Manor Tank Evaluation and Rehabilitation
- Wastewater Biosolids Removal Facility

### **Inverness Public Utility District**

- Water Tank Evaluations
- Stockstill Tank Replacement

### **Bodega Water Company**

- Water System Improvements

### **Loch Lomond Mutual Water Company**

- Tank Rehabilitation

### **Yulupa Mutual Water Company**

- Storage Tank Design

### **Russian River County Water District**

- Four Water Tank Evaluations

### **Cobb Area Water District**

- Tank Evaluations and Rehabilitations
- Seismic Retrofit of Starview, Lassen, and Bonanza Springs Storage Tanks

### **Forestville Water District**

- Hwy 116 Tank Evaluation and Rehabilitation

# BRIAN J. GONG, P.E.



## Education

M.S., Civil and Environmental Engineering, UC Berkeley, 2015

B.S., Environmental Sciences, UC Berkeley, 2014

## Registration

Professional Civil Engineer, CA No. 88474

## Certifications

Construction Specifications Institute – Construction Documents Technologist

## Professional Affiliations

Construction Specifications Institute, Redwood Empire

## Experience

Joined firm in 2018  
Entered profession in 2015

Brian Gong has 11 years of experience performing both technical work and field investigations for water and wastewater projects. His civil engineering experience includes master planning, predesign and design, asset management, cost estimation, and field observation of construction work. Brian's expertise includes complex data analysis utilizing industry standard software, including ArcMap, InfoWater, HEC-RAS, AutoCAD, ArcGIS, Excel, and Access.

## Water

### City of Rohnert Park

- Tank 8, Multi-Use Access Road, and Pipeline
- Water System Hydraulic Model Study Update
- Southeast Water Main Improvements
- Water System Flushing Program
- Sonoma Mountain Village Modeling
- Redwood Drive Hotel Modeling

### City of Petaluma

- Hardin Lane Tank Improvements and Seismic Upgrades

### Forestville Water District

- PRV Repair and Replacement
- Water System GIS Update

### Callayomi County Water District, Middletown

- Water Treatment Plant and Office Replacement Bid Docs

### City of Santa Rosa

- Meadow Lane Pond Inundation Modeling and Mapping and Emergency Action Plan
- Lake Ralphine & Fountaingrove Inundation Modeling and Mapping and Emergency Action Plan
- Tank & Pump Station Seismic Upgrades Phase 5
- Geysers Delta Connection Improvement
- Laguna Treatment Plant Flood Protection
- Robin Way Water System Consolidation

### Sonoma Water

- Inundation Modeling and Mapping for Breach Scenarios at Five Dam Sites

## Construction Management

### City of Rohnert Park

- Water Tank 8 Construction Management

## Pathways Design/ADA Compliance

### City of Rohnert Park

- Trail to Crane Creek Regional Park - Phases 1-B and 3

## Site Development

### Sonoma County Regional Parks

- Russian River Trail – Wohler Segment Planning Study
- Tolay Lake Regional Park Culvert Replacement

# BRENNEN URBANEK, P.E.



## Education

B.S., Civil Engineering,  
California State University,  
Chico, 2014

## Registration

Professional Civil Engineer,  
CA No. 95239

## Professional Affiliations

American Society of Civil  
Engineers

## Experience

Joined firm in 2018  
Entered profession in 2015

Brennen Urbanek has 11 years of civil engineering experience, including civil design for site development, water and wastewater infrastructure, ADA compliance, storm water mitigation, pavement maintenance systems, and construction management. Brennen's civil design experience encompasses water, sewer and storm drainage utilities; grading and drainage; and earthwork calculation and cost estimating utilizing industry standard software including AutoCAD Civil 3D, Excel, and ArcGIS.

## Project Experience

### Hidden Valley Lake Community Services District

- Water Storage Reliability Project

### Redwood Valley County Water District

- Redwood Valley Water Infrastructure Retrofit Project

### City of Healdsburg

- Healdsburg Avenue Sewer Replacement
- March Avenue Reconstruction & Pedestrian Improvements

### City of Rohnert Park

- Sidewalk & Driveway Improvements
- Trail to Crane Creek Regional Park - Phases 1-B & 3
- Water Tank 8, Access Road, and Water Mains

### Callayomi County Water District

- Water Treatment Plant Construction Services

### County of Sonoma

- Occidental ADA Improvements, Phase 3

### City of Santa Rosa

- Water Tank and Pump Station Seismic Upgrades Phase 5
- Albany, Clement, and Malano Water and Sewer Replacement
- Rock Creek and Matanzas Sewer and Water Replacement
- Los Alamos Trunk Sewer Replacement
- Slater and Lewrosa Sewer and Water Replacement inspection
- Santa Rosa Creek Trail Dutton Avenue Access
- B Street Slurry Seal
- Calistoga Road Rehabilitation
- Laguna Treatment Plant Flood Protection Project

### City of Petaluma

- Municipal Airport Drainage Improvements
- Sports Complex Drainage Investigation and Mitigation

### City of Cloverdale

- Washington Street ROW Extension
- Storm Drain Relocation
- City of Cloverdale Tentative Map

### Alexander Valley Healthcare

- Alexander Valley Wellness Center Site Development

# JEFF ROACH, P.L.S.



## Education

A.A., Civil Survey  
Technology, Santa Rosa  
Junior College, 1995

## Registration

Professional Land Surveyor  
CA No. 9158

## Experience

Joined firm in 2003  
Entered profession in 1995

Survey Department Manager Jeff Roach is a California Professional Land Surveyor with 31 years of experience. Jeff is proficient in a broad range of survey products, including boundary, topography, construction, utility, control, right of way, ALTA, and Flood Certificates. Jeff has been a trusted member the Brelje & Race team since 2003, where he has earned a reputation for thoroughness and accuracy. Jeff has extensive field surveying experience, having served as Party Chief for hundreds of survey projects for both public and private clients. Below is a selection of projects on which Jeff has performed comprehensive land surveying services:

## Municipal

### City of Santa Rosa

- Laguna Treatment Plant Flood Protection Design Survey
- Rock Creek and Matanzas Water Main Replacement Design Survey
- Santa Rosa Creek Trail Dutton Avenue Access Design Survey

### City of Rohnert Park

- Southeast Specific Plan Area Water Transmission Main Design Survey
- Sewer Interceptor Outfall Boundary Survey
- Anderson 53/Tank 8 Boundary Survey
- Trail to Crane Creek Regional Park Design Survey and Alignment Staking

### City of Cloverdale

- Washington Street Extension Right-of-Way Survey

### Town of Windsor

- Pond 5 Berm Restoration Design Survey

### City of Cotati

- William and Olof Sewer Main Replacement Design Survey
- Sewer Collection System Repairs Design Survey

### City of Petaluma

- Airport Taxiways A and B Topographic Survey

### City of St. Helena

- St. Helena Flood Control Project

### County of Sonoma Permitting and Resource Management Department

- Retrace Survey of Kingsbury County Line of 1877

## K-12 Schools and Higher Education

### Mendocino Unified School District

- Mendocino High School Campus Modernization Topographic Survey

### Sonoma Valley Unified School District, Sonoma, CA

- Sonoma Valley High School Track and Field Replacement Design and Construction Surveys
- Sonoma Valley High School CTE Modernization Topographic Survey
- Flowery Elementary School New Modularity Construction Survey
- Altimira Middle School New Track and Field and Locker Rooms Design and Construction Surveys
- Woodland Star Charter School New Classrooms Design Survey
- El Verano Elementary School Multipurpose Room Design Survey

## **West Sonoma County Union High School District, Sebastopol, CA**

- Analy High School Aerial Topographic Survey

## **Gravenstein Union School District, Sebastopol, CA**

- Hillcrest Middle School Campus Modernization Design Survey

## **Bellevue Union School District, Santa Rosa, CA**

- Kawana Springs Elementary School New Multipurpose Building Construction Survey
- Bellevue Elementary School Play Area Design Survey
- Meadow View Elementary School Campus Modernization Design Survey

## **Roseland School District, Santa Rosa, CA**

- Roseland Accelerated Middle School Construction Survey

## **Petaluma City Schools**

- Cherry Valley Elementary School Play Area Topographic Survey

## **Old Adobe Union School District, Petaluma, CA**

- Loma Vista Elementary School New Modulares Design Survey

## **Santa Rosa City Schools**

- Helen Lehman Elementary School New TK Building Design Survey and Boundary Resolution
- Piner High School Emergency Modulares Design and Construction Surveys
- Manzanita Elementary School New TK Classrooms Design Survey
- District Office Modernization Design Survey and Boundary Resolution

## **San Rafael City Schools**

- Terra Linda High School Street Frontage Improvements Design Survey

## **Tamalpais Union High School District, Larkspur and Mill Valley, CA**

- Redwood High School Campus Modernization Design Survey
- Tamalpais High School Campus Modernization Design Survey and Boundary Mapping

## **Boys & Girls Clubs of Sonoma-Marin, Santa Rosa, CA**

- Roseland Boys & Girls Clubhouse Design and Construction Surveys

## **Sonoma State University, Rohnert Park, CA**

- Tuscany Village
- Green Music Center

## **Middletown Unified School District**

- Coyote Valley Elementary School ADA Dropoff Topographic Survey
- Middletown High School New Modulares Topographic Survey

## **Kelseyville Unified School District**

- Kelseyville High School New Athletic Field Design and Construction Surveys

## **Geyserville Unified School District**

- Geyserville Elementary School Topographic Survey

## **West Side Union Elementary School District, Healdsburg, CA**

- West Side Elementary School Topographic Survey

# JUSTIN WITT



## Education

M.A., Geography – Natural Resources Management and Environmental Planning, San Francisco State University, 2003

B.A., Cultural Anthropology, San Francisco State University, 1997

## Professional Affiliations

Association of Environmental Professionals

North Bay Climate Adaptation Initiative

## Experience

Joined firm in 1999  
Entered profession in 1999

Senior Environmental Planner Justin Witt has 27 years of experience in project administration and preparation of environmental review documents and environmental permits for public agencies and private clients. He is skilled in preparation of all California Environmental Quality Act (CEQA) documents including Environmental Impact Reports (EIRs), Initial Studies, Negative Declarations, and the CEQA-required public review processes, noticing requirements, and public meetings. Justin has prepared National Environmental Policy Act (NEPA) documents for numerous USDA-funded and State Water Board projects. He is proficient in preparing and processing environmental permits related to the U.S. Army Corps of Engineers, Regional Water Quality Control Board, the California Department of Fish and Wildlife and US Fish and Wildlife Service.

## CEQA / NEPA

### County of Mendocino

- Redwood Valley Water Infrastructure Retrofit Initial Study/MND/NEPA documentation

### City of Cloverdale

- Water System Improvements Initial Study/MND/USDA NEPA

### City of Calistoga

- Water Treatment and Distribution Project Initial Study/MND/USDA NEPA

## CEQA

### City of Santa Rosa

- Santa Rosa Creek Trail Dutton Ave Access Initial Study/MND
- South Fulton Road Trunk Sewer Repair Initial Study/MND
- Sebastopol Road Widening, Southwest Santa Rosa Initial Study
- Railroad Square Drainage Improvements Initial Study/MND
- Los Alamos Trunk Sewer Replacement Initial Study/MND
- Oakmont Treatment Plant Sewer Relocation Initial Study/MND
- S9 Pump Station Initial Study/MND
- T&L Micro General Plan and Zoning Amendment Initial Study/MND

### City of Rohnert Park

- Water Main Improvement Project Initial Study/MND

### City of Healdsburg

- 255 Dry Creek and Grove Business Center Initial Study/MND

### City of Sonoma

- New Norrbom Road Water Tank Initial Study/MND

### Sonoma County Regional Parks

- Guerneville River Park Project Initial Study/MND
- Ragle Ranch Regional Park Off-leash Dog Area Initial Study/MND

### Sonoma Valley Unified School District

- Flowery Elementary School Parking Lot

- Sonoma Valley High School Parking Lot and Student Drop-off Initial Study/MND
- El Verano Elementary School Multipurpose Building

## **New Haven Unified School District, Union City**

- Cesar Chavez Middle School Sports Fields and Drop-Off Categorical Exemption

## **Alameda Unified School District**

- Wood Middle School Modernization, Phase 1 IS/MND
- Otis Elementary School Modernization IS/MND

## **Sacramento State University Office of Water Projects**

- Palomino Estates Water System Improvements IS/MND
- Robin Way Water System Consolidation IS/MND
- Meadow Pointe Upper Lake Water System Consolidation IS/MND

## **Sunrise Shore Mutual Water Company**

- Water System Compliance and Sustainability project – assist lead agency with preparation of IS/MND

## **Konocti County Water District**

- Lower Lake/Konocti Intertie IS/MND

## **Russian River County Water District**

- Water Rights Petition Project Initial Study/MND
- Hacienda Annexation Initial Study/MND

## **Occidental Community Services District**

- Water Service Zone Expansion Initial Study/MND

## **Sweetwater Springs County Water District**

- Water Rights Petition for Extension of Time Initial Study/MND
- Water Distribution and Storage Projects Initial Study/MND

## **Special District Public Works Projects**

- Kelly Mutual Water Company Water System Improvements Initial Study
- Valley of the Moon Water District, Bolli Tank Project Initial Study

## **Sonoma County Junior College District**

- Shone Farm 8MG Recycled Water Reservoir Project Initial Study
- B. Robert Burdo Culinary Arts Center Initial Study
- Lawrence A. Bertolini Student Services Center Initial Study
- Frank P. Doyle Library Initial Study
- Petaluma Campus Phase II Supplemental EIR
- Warren G. Dutton Jr. Agriculture Pavilion Initial Study

## **Roseland School District**

- Roseland University Prep Initial Study

## **Bellevue Union School District**

- Bellevue Elementary School Modernization Project Initial Study



# ERIC G. CHASE

Principal Geotechnical Engineer/Project Manager

## EDUCATION

B.S. Civil Engineering  
California Polytechnic State  
University, San Luis Obispo, CA  
1990

## REGISTRATIONS

California Geotechnical  
Engineer, GE 2628

California Civil Engineer,  
CE 53150

## AFFILIATIONS

ASCE – American Society of Civil  
Engineers

Chi Epsilon Honor Society

Cal Poly Civil Engineering  
Department Advisory Board  
Member

## PROFESSIONAL HISTORY

- 2000 - Present  
RGH Consultants l Santa Rosa, CA  
**Principal Engineer**
- 1992 - 2000  
Geomatrix Consultants l San Francisco and Oakland, CA  
**Senior Engineer**
- 1990 - 1992  
Herzog Associates, Inc. l Petaluma, CA  
**Staff Engineer**

## RELATIVE EXPERIENCE

Mr. Chase has over 30 years of managing geotechnical services for public infrastructure projects including parks, schools, athletic fields, trails, pathways, parking lots, and roadways. Mr. Chase has worked with leading design teams and local agencies to develop sound and cost effective geotechnical and geologic solutions/mitigations for projects that are identified to have problematic soils and bedrock conditions such as: expansive materials, compressible, or potentially liquefiable soils; slope stability issues; and faulting/potential seismic geologic hazards.

Mr. Chase is proficient in project coordination, communication, and completion with design team partners and federal, state, and local, municipalities. Specifically, management of knowledgeable RGH design engineers, geologists, and experienced technicians certified by NICET, ACI, and ICC.

## REPRESENTATIVE PROJECTS

- Bower Park Restoration and Improvements, Gualala, CA
- Country Club Drive Rehabilitation, Rohnert Park, CA
- Emergency 36-inch Transmission Replacement. Napa, CA
- Third Street Rehabilitation, San Rafael, CA
- First and F Street Bridge Replacement, Petaluma, CA Park, CA
- Fulton Road Widening (Guerneville to Piner Road), Santa Rosa, CA
- North McDowell Blvd Complete Streets Project, Petaluma, CA



# JARED J. PRATT

Principal Engineering Geologist/Project Manager

## EDUCATION

**A.A. Natural Science**  
Ricks College, Idaho, 1993

**B.S. Geology**  
California State University  
System: Sonoma State  
University, California, 1999

## REGISTRATIONS

**Certified Engineering Geologist,**  
No. 2453

**California Professional  
Geologist, No. 7901**

**State of California Safety  
Assessment Program Certified  
Volunteer, No. 75881**

**Qualified SWPPP Developer  
(QSD), No. GO2453**

## AFFILIATIONS

**AEG – Association of Engineering  
Geologists**

**Former San Francisco Chair  
AEG – Association of Engineering  
Geologists**

**ASCE - American Society of Civil  
Engineers**

## PROFESSIONAL HISTORY

- 2006 - Present  
RGH Consultants I Santa Rosa, CA  
Principal Engineering Geologist, Project Manger
- 1999 - 2006  
Kleinfelder Associates, Santa Rosa, CA  
Project Geologist, Project Manager

## REPRESENTATIVE EXPERIENCE

Mr. Pratt has provided geologic mapping and analysis for numerous Sonoma and Marin County projects and has experience working in Alameda, San Francisco, Mendocino, Napa and Lake Counties. Mr. Pratt has managed several hundred individual projects including geotechnical studies for capital improvement projects, roadway improvement, commercial and residential development as well as construction inspection and testing programs. He is extremely familiar with mapping and methods to locate, identify, and explore Bay Mud and soft soil deposits, having worked on dozens of Bay Mud projects throughout the North Bay area.

Mr. Pratt has also specialized in hillside construction and landslide evaluation studies as well as fault evaluations. He has extensive experience with grading projects including roadway preparation, building site improvements and landslide repair.

## REPRESENTATIVE PROJECTS

- First and F Street Bridge, Petaluma, CA
- Sunrise Pickle Ball Courts, Rohnert Park Kotate Park Improvements, Cotati, CA
- Browns Valley Road at Valley Glen Landslide, Napa, CA
- Cooper Drive Slope Failure, Santa Rosa, CA
- North McDowell Blvd Complete Streets, Petaluma, CA
- Emergency 36-inch Transmission Replacement, Napa, CA

RESUME



**KEVIN G. ZUCCO, SE, LEED AP**

**EXECUTIVE PRINCIPAL | PRINCIPAL-IN-CHARGE**

Over the course of his 30+ year career in the industry, Kevin has performed structural design and analysis of public and civic structures throughout Northern California, including Mendocino County. He is adept in the planning, design, and management of large- and small-scale capital improvement projects ranging from structural assessments and evaluations to renovations and new construction.

Kevin applies his experience and enthusiasm for the industry to designing build-able and reliable public and essential facility structures with coherent and practical construction documents to meet all architectural design features. Kevin is adept in the use of the California Building Code's Existing Structures chapter, the International Existing Building Code, California Historic Building Code, and most relevantly ASCE 41. He has evaluated and retrofit many existing buildings for continued occupancy and reuse in both Life Safety and Immediate Occupancy categories. Kevin developed ZFA's program to use ASCE 41 as a tool for building evaluations. The standards have been applied across multiple jurisdictions to determine the effectiveness of original construction, to identify any structural deficiencies, to provide recommendations for retrofit, and to develop cost estimates for remodel and retrofit construction.

Kevin and ZFA staff are also FEMA trained to assist each other and our communities with weather-related events, hazardous-substance release, medical, terrorism, and threats of violence.

**RELEVANT PROJECT EXPERIENCE**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>▪ County of Mendocino Structural MSA</li> <li>▪ Mendocino Transit Authority – Administration Building</li> <li>▪ Millview County Water District Pumphouse Building</li> <li>▪ Hopland Pomo Indians - Education Center</li> <li>▪ County of Sonoma Structural On-Call</li> <li>▪ Department of General Services Structural On-Call</li> <li>▪ City of Santa Rosa Structural On-Call</li> <li>▪ Vacaville Corporation Yard</li> <li>▪ West County Transportation Addition</li> <li>▪ San Ramon Public Safety Building</li> <li>▪ San Ramon Fire Station No. 34 Remodel</li> <li>▪ Napa Corporation Yard</li> <li>▪ Truckee Corporation Yard - Phase 3</li> <li>▪ Sunnyvale Corporation Yard</li> <li>▪ Lake County Transportation Yard</li> <li>▪ San Rafael Corporation Yard</li> <li>▪ West Sacramento Corporation Yard</li> <li>▪ West County Transit Authority O &amp; M Facility</li> <li>▪ HHSA - West Marin Service Center</li> <li>▪ Sonoma County Water Agency Channel Dr. Bridge Repair</li> <li>▪ City of Rohnert Park Water Tank Assessments</li> <li>▪ City of Santa Rosa Pump Station 4 Evaluation</li> <li>▪ Sonoma County River Diversion Project</li> </ul> | <ul style="list-style-type: none"> <li>Mendocino County</li> <li>Ukiah</li> <li>Ukiah</li> <li>Hopland</li> <li>Sonoma County</li> <li>Coastal Region</li> <li>Santa Rosa</li> <li>Vacaville</li> <li>Santa Rosa</li> <li>San Ramon</li> <li>San Ramon</li> <li>Napa</li> <li>Truckee</li> <li>Sunnyvale</li> <li>Lower Lake</li> <li>San Rafael</li> <li>West Sacramento</li> <li>Sonoma County</li> <li>Point Reyes Station</li> <li>Santa Rosa</li> <li>Rohnert Park</li> <li>Santa Rosa</li> <li>Healdsburg</li> </ul> |
|---|--|

**YEARS OF EXPERIENCE**

- 31 years with ZFA
- 31 years total

**EDUCATION**

- B.S., Civil Engineering, 1992, California Polytechnic State University, San Luis Obispo

**PROFESSIONAL REGISTRATION**

- CA Structural Engineer 4861
- CA Civil Engineer 57777
- United States Green Building Council LEED AP
- State of California Department of Emergency Services Disaster Services Worker Safety Assessment Program ID #10826
- FEMA Urban Search and Rescue Task Force 3 Structural Specialist

**PROFESSIONAL MEMBERSHIPS**

- Structural Engineers Association of Northern California (SEAONC)
- SEAONC Sustainable Design Committee Member
- Former City of Santa Rosa Design Review Board
- Community College Facility Coalition

RESUME



**CHRISTIAN BOTTO, SE**  
**SENIOR ASSOCIATE | PROJECT MANAGER**

Christian began his professional career first working in his native Central American, then at a Construction Management firm on SFO's Boarding Area A project. He is a seasoned structural engineer with design experience on public, commercial, residential, and educational buildings. He is particularly passionate about retrofitting existing facilities to extend their service life in the communities they serve.

Christian uses a collaborative approach leveraging BIM technology to ensure a structural design is fully coordinated, buildable, and efficient. His experience includes the design and construction of several public projects as well as feasibility studies and evaluations. He works closely with clients to ensure their needs are integrated into a solution that works for both the approval agencies and the client.

Christian is a member of the California Emergency Management Agency (CAL EMA) Safety Assessment Program as a Disaster Service Worker which allows him to support the community in assisting in the review of structures after an earthquake or other natural disaster.

**YEARS OF EXPERIENCE**

- 17 years with ZFA
- 27 years total

**EDUCATION**

- B.S., Civil Engineering, 1998, San Francisco State University, San Francisco

**PROFESSIONAL REGISTRATION**

- CA Structural Engineer 6648
- CA Civil Engineer 81019
- State of California Department of Emergency Services Disaster Services Worker Safety Assessment Program ID #73268

**PROFESSIONAL MEMBERSHIPS**

- Structural Engineers Association of Northern California (SEAONC)
- Existing Building Committee, Chair

**RELEVANT PROJECT EXPERIENCE**

- |  |                         |
|--|-------------------------|
| ▪ Millview County Water District Pumphouse Building      | Ukiah                   |
| ▪ Willits Warehouse & Distribution                       | Willits                 |
| ▪ Sonoma County Water Agency Channel Dr. Bridge Repair   | Santa Rosa              |
| ▪ City of Rohnert Park Water Tank Assessments            | Rohnert Park            |
| ▪ Fulton Sewer Improvements                              | Rohnert Park            |
| ▪ City of Santa Rosa Pump Station 4 Evaluation           | Santa Rosa              |
| ▪ Sonoma County River Diversion Project                  | Healdsburg              |
| ▪ City of Santa Rosa Generator Replacement               | Santa Rosa              |
| ▪ Santa Rosa Seismic Upgrades & Improvements Phase 5     | Santa Rosa              |
| ▪ Hardin Tank Assessment                                 | Petaluma                |
| ▪ Channel Drive Bridge Review                            | Santa Rosa              |
| ▪ Balletto Vineyards and Winery Patio                    | Santa Rosa              |
| ▪ First and F Street Bridge Replacement                  | Petaluma                |
| ▪ Petaluma Municipal Airport Hanger Repair               | Petaluma                |
| ▪ San Geronimo Creek Temporary Utility Crossing          | Lagunitas-Forest Knolls |
| ▪ Calistoga Fire Alert Monopole                          | Calistoga               |
| ▪ Petrified Forest Monopole                              | Calistoga               |
| ▪ Soda Canyon Monopole                                   | Napa                    |
| ▪ Santa Rosa Police Dept. Existing Monopole Evaluation   | Santa Rosa              |
| ▪ City of Santa Rosa Light Pole Anchor Bolt Repair       | Santa Rosa              |
| ▪ Las Gallinas Operations Control Center                 | San Rafael              |
| ▪ City of Richmond Booker T Anderson Community Center    | Richmond                |
| ▪ Seapoint Remodel                                       | Manchester              |
| ▪ Private Manufacturing Facility                         | Redwood Valley          |
| ▪ Windsor Odd Fellows Seismic Retrofit                   | Windsor                 |
| ▪ Pacifico Restaurant, URM Evaluation & Seismic Retrofit | Calistoga               |



## Matthew Torre, PE VP

Principal

### Summary:

Matt joined 15000 Inc. in 2007 and acts as the Senior Mechanical Engineer, Chief Operating Officer, and Quality Control Manager. He has been an irreplaceable addition since his first day with the firm and quickly rose to the level of Principal in 2014.

His responsibilities include establishing and enforcing engineering standards as part of his quality control duties, project management, and Matt also leads our internal continuing education program which culminates in our annual Professional Development Week where we educate ourselves and our staff in the latest technologies, code interpretations and the future of our industry.

Matt is an integral part of our lead design team here at 15000 and lends his expertise and talents to a variety of projects which range from municipal to commercial through education and hospitality facilities and beyond.

### Professional Affiliations:

CA Professional Engineer: M36589  
UT Professional Engineer: 10513390-2202  
NV Professional Engineer: 26130  
OR Professional Engineer: 106201PE  
HI Professional Engineer: PE-21506  
Member of ASHRAE, NFPA, USGBC, ASPE, CSI, and AWWA  
CSU Chico: Bachelor of Science, Civil Engineering  
SFCC: Engineered Plumbing System  
ACOM Certified

### Contact Information:

Telephone: (707) 577-0363  
Email: [matt@15000inc.com](mailto:matt@15000inc.com)

### Recent Municipal Experience:

County of Sonoma: Master Services (2020-2025)  
County of Sonoma: CSU Generator  
County of Sonoma: MADF HVAC Replacement  
County of Sonoma: Airport Admin Split System  
City of Petaluma: Veteran's Building MEP  
City of Sonoma: Veteran's Building MEP  
City of Rohnert Park: Animal Shelter HVAC  
City of Rohnert Park: BCA Implementation  
City of Santa Rosa: City Hall Chiller Replacement  
Town of Windsor: Buildings 200, 300 and 400 Remodel  
Butte County: Courthouse Remodel  
City of Palm Springs: Plan Check Services  
City of Palm Springs: Inspection & Code Enforcement  
Cal-Fire: Dormitory Remodel  
Town of Sonoma: Depot Modernization MEP  
Town of Sonoma: Veterans Memorial Remodel  
Town of Sonoma: City Hall & Library Remodel  
County of Sonoma: MADF Shower Modernization  
County of Mendocino: Spanish Mountain Antenna  
City of Santa Rosa: Finley Swim Center Remodel  
Town of Fort Bragg: CV Starr Community Center Cx  
Town of Petaluma: Corporation Yard  
Count of Sonoma: Los Guilicos Remodel  
PG&E: Eureka Sub-Station Remodel  
PG&E: Santa Rosa Sub-Station Remodel  
PG&E: San Ramon Sub-Station Remodel  
Town of Suisun: Railroad Depot Modernization  
Napa County: Courthouse Modernization  
Contra Costa County: Fire Station #81 Remodel  
Lake County: New Fire Station  
Town of Willits: New Fire Station  
Count of Sonoma: Electric Vehicle Standard Project



## **SPECIALTY**

Environmental Services

## **YEARS OF EXPERIENCE**

34

## **YEARS WITH EBA**

30

## **REGISTRATIONS**

California Registered  
Environmental Assessor

OSHA 40-hour Hazardous Waste  
Activities Supervisor Training

## **EDUCATION**

MS, Environmental  
Management, University  
of San Francisco

BS, Agricultural Science and  
Management, University  
of California, Davis

## **AFFILIATIONS**

North Coast Regional Water  
Quality Control Board

California Groundwater  
Association

Santa Rosa Plain Groundwater  
Sustainability Agency  
Advisory Committee

Sonoma County Farm Bureau  
Natural Resource Committee

Santa Rosa Junior  
College Ag Trust

## **DAVID NOREN, REA**

Vice President, Environmental Services Manager

Mr. Noren is EBA's Manager of Environmental Services with over 34 years of experience in environmental services and engineering. His expertise includes technical and management services for a wide range of environmental, hydrogeological, and solid waste landfill projects. He is well versed in permitting with local, State, and Federal agencies and in stormwater management sampling and reporting, various levels of regulatory permitting and water use studies, landfill closure, general property transfer and property development studies, and in the preparation of Categorical Exemptions, Initial Studies, Negative Declarations, and Mitigated Negative Declarations per CEQA and NEPA Environmental Assessments.

Mr. Noren is knowledgeable in the application of numerous investigative and treatment methodologies in a variety of geologic environments including the investigation and remediation of a diverse range of contaminated sites and municipal solid waste facilities.

Mr. Noren's responsibilities include management and oversight of all environmental services.

## **RELEVANT EXPERIENCE**

- ▶ NEPA Environmental Assessments.
- ▶ CEQA Initial Studies, Categorical Exemptions, Mitigated Negative Declarations/Negative Declarations.
- ▶ Individual or nation-wide permit applications for Section 404 (US Army Corps of Engineers), Section 401 Water Quality Certification (San Francisco Bay Regional Water Quality Control Board), California Department of Fish and Wildlife Stream Bed Alteration Agreements, California Coastal Commission, BCDC Entitlements.
- ▶ Compliance monitoring including soil, groundwater, soil vapor and ambient air monitoring and sampling.
- ▶ Work plans for soil and groundwater investigations, hydrogeologic evaluations, corrective action plans, and landfill closure documentation.
- ▶ Field work, including environmental investigations requiring UST removal and over-excavations, soil and groundwater sampling and analysis, surface and storm water sampling and analysis.
- ▶ Phase I Environmental Site Assessments.
- ▶ Phase II Environmental Site Investigations.
- ▶ City of Santa Rosa Limited Phase 1 Environmental Site Assessment Services Master Agreement 2016 - Present (completed 13 projects to date)

## KEVIN COKER, REA

Senior Environmental Scientist, CEQA Practitioner



### SPECIALTY

Environmental Services /  
CEQA Practitioner



### YEARS OF EXPERIENCE

27

### YEARS WITH EBA

7

### REGISTRATIONS

California Registered  
Environmental Assessor

OSHA 40-hour Hazardous  
Waste Operation &  
Emergency Response Training

OSHA 8-hour Hazardous  
Waste Supervisor Training

### EDUCATION

BA, Environmental Studies  
& Planning / Hazardous  
Materials Management,  
Sonoma State University,  
Rohnert Park, CA

CEQA Practitioner Training  
Program, University of  
California, Davis

### AFFILIATIONS

Association of Environmental  
Professionals

Mr. Coker has over 27 years of experience in the field of environmental assessments and investigations, and various levels of property transfer and property development studies. Mr. Coker has performed over 200 Phase 1 Environmental Site Assessments (ESAs) in northern California, as well as CEQA- and NEPA-related environmental reviews. Mr. Coker is accomplished in CEQA/NEPA studies, work plans, summary reports, and related technical documents.

As a Senior Environmental Scientist and CEQA Practitioner, Mr. Coker is expert in soil, groundwater, and soil-vapor investigations; environmental assessments; property development and land-use permitting and associated studies; data evaluation and interpretation.

Mr. Coker's responsibilities include the oversight of project budgets, client and regulatory agency interactions, site investigation activities, and field and reporting programs.

- ▶ NEPA Environmental Assessments.
- ▶ CEQA Initial Studies, Categorical Exemptions, Mitigated Negative Declarations/Negative Declarations.
- ▶ Preparation of Work Plans for soil and groundwater investigations, hydrogeologic evaluations, corrective action plans, and closure documentation.
- ▶ Compliance monitoring including soil, groundwater, soil vapor and ambient air monitoring and sampling.
- ▶ Field work, including environmental investigations requiring UST removal and over-excavations, soil and groundwater sampling and analysis, surface and storm water sampling and analysis.
- ▶ Phase I Environmental Site Assessments.
- ▶ Phase II Environmental Site Investigations.
- ▶ Santa Rosa Behavioral Health Care Center Expansion CEQA Study, Santa Rosa
- ▶ Sam Jones Hall Annex Improvements CEQA Study, Santa Rosa
- ▶ Pantheon Group Commercial Manufacturing & Distribution Facility CEQA Study, Eureka
- ▶ South Cloverdale Water Company Public Water System (PWS) Consolidation NEPA Study, Cloverdale
- ▶ Schukler Family Properties 19357 Sonoma Highway ESA, Sonoma



## **SPECIALTY**

Environmental Geology, Solid Waste, & Hydrogeologic Services

## **YEARS OF EXPERIENCE**

15

## **YEARS WITH EBA**

14

## **REGISTRATIONS**

California Professional Geologist, PG 9311

California Certified Hydrogeologist, CHg 1062

Qualified Stormwater Developer

OSHA 40-hour Hazardous Waste Activities Training

OSHA 8-hour Hazardous Waste Supervisor Training

## **EDUCATION**

BS, Earth Science, University of California, Santa Cruz, CA

## **AFFILIATIONS**

National Groundwater Association

## **MAX KRUZIC, PG, CHg, QSD** Senior Geologist / Hydrogeologist

Mr. Kruzic is a professional geologist and certified hydrogeologist with 15 years of experience in the fields of environmental geology, solid waste, and hydrogeology. He is responsible for implementing and managing hydrogeologic, environmental and solid waste landfill projects. The nature and scope of these projects include surface and subsurface geologic investigations, hydrogeologic characterization, remedial investigations/feasibility studies, and implementation of monitoring and reporting programs.

Mr. Kruzic is knowledgeable in developing and implementing a wide variety of groundwater-based investigations including hydrogeologic studies and site characterization/remediation investigations for solid waste landfills and commercial facilities (i.e., fueling stations, dry cleaners, etc.). He oversees EBA's groundwater monitoring programs for solid waste landfill sites in Sonoma and Mendocino counties.

## **RELEVANT EXPERIENCE**

- ▶ Phase II Environmental Site Assessments for various municipal and private clients: Sonoma, Lake, Napa, Mendocino, and Humboldt Counties
- ▶ City of Santa Rosa Garage #9 UST Investigation & Remediation
- ▶ City of Santa Rosa City Hall Annex Phase II ESA & Case Closure, Santa Rosa
- ▶ Sonoma County Landfill (LF) Post-closure Compliance, various facilities, Sonoma County
- ▶ Sonoma County Airport LF Post-closure Compliance, Sonoma County
- ▶ Annapolis LF Post-closure Compliance, Sonoma County
- ▶ Guerneville LF Post-closure Compliance, Sonoma County
- ▶ Healdsburg LF Post-closure Compliance, Sonoma County
- ▶ Occidental LF Post-closure Compliance, Sonoma County
- ▶ Roblar LF Post-closure Compliance, Sonoma County
- ▶ Sonoma LF Post-closure Compliance, Sonoma County
- ▶ City of Ukiah LF Environmental Monitoring, Mendocino County
- ▶ City of Ukiah Groundwater and Surface Water Investigation, Ukiah
- ▶ City of Ukiah, UST Investigation, Remediation and Case Closure, Ukiah
- ▶ City of Ukiah, Former Leslie Street Gas Plant, Investigation and Remedial Planning, Ukiah
- ▶ City of Willits, UST Investigation, Remediation and Case Closure, Willits

\* Projects completed with previous firm.

# Rate Schedules

**Brelje & Race Consulting Engineers**

**RGH Consultants, Inc.**

**ZFA Structural Engineers**

**15000 Inc.**

**EBA Engineering**

(this page intentionally left blank)

## SERVICES RATE SCHEDULE EFFECTIVE MARCH 1, 2026

### PROFESSIONAL SERVICES

Senior Principal.....	\$285.00/hour
Associate Principal.....	265.00/hour
Associate (Managing Engineer).....	250.00/hour
Senior Project Advisor.....	250.00/hour
Senior Engineer.....	245.00/hour
Engineer II.....	225.00/hour
Engineer I.....	210.00/hour
Engineering Technician II.....	190.00/hour
Engineering Technician I.....	180.00/hour
Senior Planner.....	210.00/hour
Planner.....	175.00/hour
Senior Surveyor.....	210.00/hour
Surveyor.....	195.00/hour
Senior Survey Technician.....	185.00/hour
Survey Technician.....	165.00/hour
CAD Technician Supervisor.....	185.00/hour
CAD Designer.....	175.00/hour
CAD Technician.....	160.00/hour
Engineering Intern.....	130.00/hour
Construction Engineer.....	200.00/hour
Construction Technician II.....	185.00/hour
Construction Technician I.....	170.00/hour
Technical Writer.....	140.00/hour

**EXPERT WITNESS & MEDIATION SERVICES** \$600.00/hour

### FIELD SURVEYING

One-man Party (Including Survey Equipment & Vehicle)	\$315.00/hour
Two-man Party (Including Survey Equipment & Vehicle)	\$400.00/hour
Three-man Party (Including Survey Equipment & Vehicle)	\$525.00/hour

**CLERICAL SERVICES** \$110.00/hour

**OUTSIDE CONSULTANTS** Cost + 10% Handling Charge

**OUTSIDE PLOTTING AND REPRODUCTION** Cost + 10% Handling Charge

### IN-HOUSE PLOTTING

Vellum or Bond	\$10.00/sheet
Mylar	25.00/sheet

### Note

To maintain transparent and predictable billing, Brelje & Race's hourly rates include vehicle usage, surveying materials, incidental consumables, computer hardware, computer software, and information technology costs.



*Experience is the difference*

**Santa Rosa Office**  
 3501 Industrial Drive, Suite A  
 Santa Rosa, CA 95403  
 707-544-1072

**Napa Office**  
 1041 Jefferson St, Suite 4  
 Napa, CA 94559  
 707-252-8105

**SCHEDULE OF CHARGES**  
**Effective January 1, 2026**

Unless agreed otherwise, work is charged for on a time and expense basis in accordance with the following schedule of charges:

**PERSONNEL**

Principal .....	\$250/hour
Associate .....	\$205/hour
Senior Engineer/Geologist .....	\$195/hour
Project Engineer/Geologist .....	\$175/hour
Staff Engineer/Geologist .....	\$150/hour
Field Engineer .....	\$140/hour
Field Engineer (Prevailing Wage) .....	\$180/hour
Graphics .....	\$110/hour
Administrative Support .....	\$90/hour

**EQUIPMENT**

Seismic Site Class (ReMiNode) .....	\$500/day
Slope Inclinometer Instrument .....	\$200/day
Coring Machine .....	\$400/day
Infiltration Test Apparatus.....	\$200/day
Sonic Echo Foundation Test Gauge.....	\$200/day
Specialty Software (i.e. SLOPE/W, VolFlo).....	\$70/hour

**CONCRETE**

Concrete Compression Testing - Set of 4 Cylinder Breaks.....	\$200
Shotcrete Panel (Includes coring, compression testing of 4 cores, and disposal).....	\$400
Each Additional Cylinder Break .....	\$50
Each Additional Core Break .....	\$100

**OTHER**

Travel time is charged at regular rates. Vehicle mileage is charged at the current federal rate. For court appearance, expert witness testimony, or deposition the charge is \$400 per hour for the principal, associate, and project level professional and \$280 per hour for all others, payable in advance. Four and eight hour minimums apply for court appearance.

Time worked in excess of 8 hours per day and Saturday/night work will be charged at 1.5 times the hourly rate. Time worked in excess of 12 hours per day and Sundays/holidays will be charged at 2 times the hourly rate.

Outside services including laboratory analysis, consultants, subcontractors, equipment not listed above, outside reproduction, aerial photographs, meals, lodging, shipping and special equipment or services not listed above are charged at cost plus 10 percent.

Executive Principal .....	\$285
Principal .....	\$240
Associate Principal .....	\$215
Senior Associate .....	\$200
Associate.....	\$190
Senior Engineer.....	\$170
Engineer.....	\$155
Engineer – Designer .....	\$135
Project BIM Manager.....	\$155
Senior BIM Technician .....	\$145
BIM Technician.....	\$125
Engineering Support.....	\$85

# 15000 Inc.

6085 state farm drive, #130  
rohrert park, ca 94928  
phone: 707.577.0363  
fax: 707.577.0364

## **HOURLY RATES & REIMBURSABLE EXPENSES FOR 2024, 2025, & 2026**

---

(E1) Principal Mechanical Engineering:	<b>\$260.00 / Hour</b>
(L1) Principal Electrical Engineering:	<b>\$260.00 / Hour</b>
(E2) Mechanical Engineering:	<b>\$240.00 / Hour</b>
(L2) Electrical Engineering:	<b>\$240.00 / Hour</b>
(D1) Senior Mechanical/Electrical Design:	<b>\$220.00 / Hour</b>
(D2) Mechanical/Electrical Design:	<b>\$210.00 / Hour</b>
(3D) Building Information Modeling:	<b>\$210.00 / Hour</b>
(CX) Commissioning Services:	<b>\$200.00 / Hour</b>
(CG) CalGreen Special Inspector Activities:	<b>\$180.00 / Hour</b>
(EA) Energy Analysis:	<b>\$180.00 / Hour</b>
(DR) Computer Aided Drafting:	<b>\$170.00 / Hour</b>

*Work performed on an hourly basis will be billed as noted above. Reimbursable expenses associated with all work will be billed as follows:*

Mileage:	<b>\$0.55 / Mile</b>
Sub-Consultants:	<b>Cost +15%</b>
Shipping:	<b>Cost +10%</b>
All other expenses:	<b>Cost +15%</b>



## STANDARD SCHEDULE OF FEES

Principal Geologist / Principal Engineer	\$245 - \$265 /hr.
Project Manager	\$170 - \$225 /hr.
Senior Geologist / Senior Engineer	\$160 - \$200 /hr.
Senior Project Geologist / Engineer	\$150 - \$185 /hr.
Project Geologist / Project Engineer	\$145 - \$180 /hr.
Staff Geologist / Staff Engineer	\$110 - \$145 /hr.
CEQA Practitioner	\$200 /hr.
Survey: 3 Man Crew	\$400 /hr.
Survey: 2 Man Crew	\$315 /hr.
Survey Travel: 2 Man Crew	\$215 /hr.
Survey: 1 Man Crew	\$215 /hr.
Surveyor	\$185 - \$215 /hr.
Survey Technician	\$140 - \$160 /hr.
Senior Environmental Scientist / Specialist	\$140 - \$185 /hr.
Environmental Scientist / Specialist	\$85 - \$135 /hr.
Design Draftsperson	\$125 - \$145 /hr.
Drafting Technician	\$105 - \$165 /hr.
Clerical	\$75 /hr.
Administrative	\$80 /hr.
Systems Manager	\$90 /hr.
Depositions or court proceedings	200% of usual rates
Subconsultants	Cost plus 15%
Prints and materials	Cost plus 15%
Miscellaneous expenses	Cost plus 15%

***Prevailing wage rates may be adjusted based on DIR wage determinations.***

*Rates effective January - December 2026.*

*Fees may increase between 3% - 5% upon the start of each new fiscal year.*

---

# Brelje & Race

CONSULTING ENGINEERS

Water • Wastewater • Site Development • Land Surveying • Planning

475 Aviation Blvd., Suite 120 • Santa Rosa, CA 95403 • v: 707-576-1322 • [www.brce.com](http://www.brce.com)

---