

# **Santa Clara Valley *Urban Runoff* Pollution Prevention Program**

## **Qualifications**



Presented To:  
**Vishakha Atre**  
Clearwater Office Building  
1021 S Wolfe Rd #185  
Sunnyvale, CA 94086  
vatre@eoainc.com

Presented By:  
**Reco Prianto**  
P.E., QSP+QSD, LEED AP  
reco@calichi.com  
415.260.2452

**AUGUST 16, 2024**

# Letter of Intent

CaliChi Design Group

August 16, 2024

Vishakha Atre  
Clearwater Office Building  
1021 S Wolfe Rd #185  
Sunnyvale, CA 94086

Re: Professional Civil Engineering Services for Design, Review and/or Certify Storm Water Treatment Measure and Hydromodification Control Facilities

Dear Vishaka Atre, Stakeholders and Review Committee,

CaliChi Design Group is pleased to re-submit our qualifications in consideration for professional services for the above related RFQ.

Since last submission, we have had no changes on previously proposed civil personnel, but we have added a Dry Utility Routing consultant to the team. New project updates include: a new 5-story Dublin Transit Parking Garage which includes Bay Area Hydrology Metrics and Software Methodology, Osgood Mixed Use Housing & Commercial Phase I & II in Fremont, and Fremont Unified High School District that recently finished that garnered CaliChi a 2022 ENR Best Project Award. Also, on the boards within the last few years, new Affordable Housing project at 446 N 1st Street in San Jose which has a significant Stormwater Control Plan and Hydromodification (HM) modeling. We have also had three new projects in Santa Clara which are at various stages of development that will be further addressed later in this submittal.

We sincerely appreciate the opportunity to be considered and please do not hesitate to reach out if you have further questions or clarifications.



Reco V. Prianto, P.E., LEED AP, QSP+QSD  
CaliChi Design Group

# Firm Information

CaliChi Design Group

CaliChi Design Group (CDG) hereby submits our qualifications for consideration in the Civil Engineering Consultant Pool for Design, Review and/or Certification of Storm Water Treatment Measures and Hydromodification Control Facilities for Santa Clara Valley Urban Runoff Pollution Prevention Program. CDG regularly assists our clients and municipalities to comply with storm water management regulations, providing design, documentation, and site monitoring to meet, if not exceed state requirements.

## **Firm's name, business address, telephone number and year established**

### **CaliChi Design Group**

3240 Peralta Street #3  
Oakland, CA 94608  
510.250.7877 Office

### **Established June 2009**

## **Name and phone number of a primary contact person for the firm**

Reco Prianto, P.E., QSP+QSD, LEED AP  
Principal/Project Manager  
415.260.2452

## **Secondary Point of Contact**

Louise McGinnis Barber  
CPSM Business Development Director  
916.390.5032  
louise@calichi.com

## **Names of principals and key personnel who will be assigned to conduct the review of inspections. Describe their qualifications and experience by providing answers to the items below**

1. The background of these individuals, including whether they are licensed civil engineers registered in the State of California

Reco Prianto is licensed as a Professional Engineer in California and is certified as a QSD+ QSP under the California State Water Resources Control Board (SWRCB). CA Professional License Civil Engineer CA #69670.

# Firm Information

CaliChi Design Group

2. Listing of the training completed by these individuals on sizing and design of control measures, including low impact development (LID) measures, for managing storm water quality and flow within the past three years.

Reco Prianto is licensed as a Professional Engineer in California and is certified as a QSD+ QSP under the California State Water Resources Control Board (SWRCB). Reco is in good standing with both State Boards and has met the continuing education requirements.

3. Proof of training completed by these individuals that was conducted by an organization with storm water treatment and hydromodification control measures design expertise. Such organizations include, but are not limited to:

- Universities
- American Society of Civil Engineers
- American Public Works Association
- California Water Environment Association
- California Storm Water Quality Association
- Santa Clara Valley Urban Runoff Pollution Prevention Program

Examples of proof may include, but are not limited to, class transcripts, CEU/credit certificates, attendance lists, and correspondence from the organization conducting the training.

Reco completed the following continuing education credits:

- Provided by Engineer CE.com
  - Pavement Design for Roads, Streets and Sidewalks, Course CE0065 (8 PDHs)
- Provided by Engineering Continuing Education PDH
  - Area Drainage Systems, Course STR156 (5 PDHs)
  - Ethical Issues in Design-Build, Course ETH104-22 (3 PDHs)
  - Geotextiles in Pavement Drainage Applications, Course STR112-22(2 PDHs)
  - Retaining Walls and Excavation Support Systems, Course STR136 (3 PDHs)
  - Solar Energy System Fundamentals, Course MEC106 (3 PDHs)

# Firm Information

Reco Prianto

Principal-In-Charge/Project Manager



Professional Engineer Licensed in 9 States (CA P.E. #69670)  
Bachelor of Science - Civil Engineering - Colorado School of Mines - Golden, CO (2001)

Bachelor of Science - Mechanical Engineering - Colorado School of Mines - Golden, CO (2001)

Qualified SWPPP Developer (QSD) and Qualified SWPPP Practitioner (QSP)

Leadership in Energy and Environmental Design Accredited Professional (LEED-AP)

State of California Governor's Office of Emergency Services Natural Disaster Safety Assessment Certified

National Board of Directors - RECON Real Estate and Construction Non-Profit

Reco, a Professional Engineer and QSP + QSD licensed by the State of California, brings twenty-five years of experience working in the civil and environmental engineering industry, and has served as an integral team member on a variety of high-profile projects that have included enhanced sustainability goals. These goals have included innovative water resource management, Low Impact Development (LID) civil engineering design, alternative C3 compliance, and stream bank restoration, among others.

Reco has extensive experience serving as the Principal-in-Charge, Project Manager and Public/Private Liaison for infrastructure projects with construction costs in excess of \$300 million. He has also provided Building Information Modeling (BIM) services to provide realistic models of existing and proposed infrastructure and civil engineering works to better coordinate design services across disciplines, and better communicate the design intent to project stakeholders and the general public.

In addition, management, and design oversight, Reco has also put forth thoughtful and original designs related to project development, site planning, utility design and capacity analysis, grading and earthwork, drainage design, Division of State Architect (DSA) compliance, erosion, and sediment control design and Hydromodification (HM) compliance.

# Firm Information

## CaliChi Design Group

- **A brief statement of the firm's understanding of urban stormwater management practices, issues and requirements, including LID requirements.**

CaliChi Design Group (CDG), while organized as a California Limited Liability Company (LLC), provides civil engineering services throughout California and the West. In addition to holding the necessary credentials, technical capabilities, and experience to provide design, review and/or certification of Storm Water Treatment Measures and Hydromodification Control Facilities for Santa Clara Valley Urban Runoff Pollution Prevention Program, CDG also has provided design in compliance with many other agencies across the Country that are on the forefront of water quality innovative solutions.

- State of Hawaii Department of Health – CDG Principal Reco Prianto (HI PE #14969)

CDG also has extensive project experience in Santa Clara County under the SCVURPPP requirements. Examples are listed under Item 8 below.

- **A brief statement of the firm's understanding of continuous simulation hydrologic models and analysis of output data for use in design of hydromodification control measures.**

CaliChi Design Group (CDG) is well versed in the various hydrological models for the design of hydromodifications measures namely analytical models which include deterministic models; dynamic models; empirical models; heuristic models; interactive models; linear and nonlinear models; numerical models; probabilistic (stochastic) models; semi-empirical models; simulation models and theoretical models for water resource management, ground water modeling, urban and rural watershed management.

CDG believes in leveraging technology whenever possible including constructing hydrologic models – whether SCS, Rational Method, or Modified Rational Method – in the 2019 Hydrographs Extension for Autodesk Infrastructure Design Suite. These models incorporate the characteristics of our 3-D surfaces and 3-D pipe networks created in Infrastructure Design Suite Civil 3D and Infracore. Once the first iteration design is complete, the information is exported to HEC/HMS software for further analysis/refinement. When the HEC/HMS model is finalized, it is then imported back into Civil 3D. The construction documents, calculations, and other information is then generated by Civil 3D for incorporation into reports. We always make the HEC/HMS model and all Civil 3D surfaces, pipe networks and simulations available upon request to our Clients and partners.

# Firm Information

## CaliChi Design Group

- **A brief statement of the firm's understanding of on-site third-party inspections of installed storm water treatment measures.**

CaliChi Design Group (CDG) has completed many projects requiring 3rd Party review and inspections of storm water treatment measures. CDG typically reaches out to the firms pre-qualified by the municipality/agency having jurisdiction and solicits proposals for said services which are passed on to the owner/operator for authorization. CDG is accustomed to coordinating 3rd Party review of both the CDG-prepared plans (Storm Water Control Plans), and the installed C.3 treatment measures. CDG is also accustomed to coordinating sizing and installation of C.3 measures with contractors to ensure the volume/area requirements are met both during design and once construction is completed.

We are fully qualified to perform on-site inspections of stormwater treatment measures and implement LID requirements. We understand the requirements of the General Permit and the processes that have been outlined to ensure proper inspection, testing, and reporting. The most important part is that we believe in the program. We are firm supporters to ensure that our waterways and bays are protected and look forward to assisting the County to maintain our precious and limited water resources.

- **Information on three examples of experience in the design of storm water treatment and flow control measures (including LID measures) within the past five years, including, but not limited to: type of project, size, location, a detailed description of the treatment or hydromodification control measures designed, and references/contact information for the firm and persons responsible for each project.**

Please see subsequent pages for further details:

- Dublin Transit Center
- Fremont High School Modernization, OUSD
- Osgood Multi-Family Affordable Housing

# On-Going Projects

## Dublin Transit Center

### Goals and Strategy

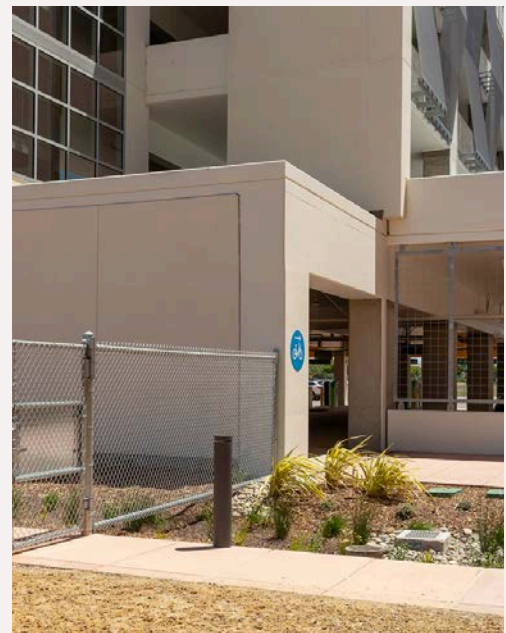
In conjunction with McCarthy Construction, Calichi Design Group (CDG) provided civil engineering and associated services for a state of the art 34,000 sq ft in area, 179,000 sq ft gross area, 5 story, 516 parking space garage with dedicated bikeway parking area and pedestrian walkways. CDG provided site and paving plan, grading and drainage plan, Stormwater Control Plan, and Utility Plan. Additionally CDG provide support to stakeholder coordination meetings, Update C.3 Calculations and Checklist, Preparation of Technical Specification, Review of OPCC, Erosion and Sediment Control Plan, Street layout and and Profile Sheets, Signage and Striping Plans, Hydrology and Hydraulics Report, Dry Utility Consulting, Stormwater C.3 Calculations and Checklist, Preparation of Stormwater Maintenance Plan and Agreement, Notice of Intent through SMARTS Website and is providing on-going clarifications to Owner/Client throughout the course of this project.

City of Dublin w/McCarthy Construction  
\$34 million

### Timeline and Contacts

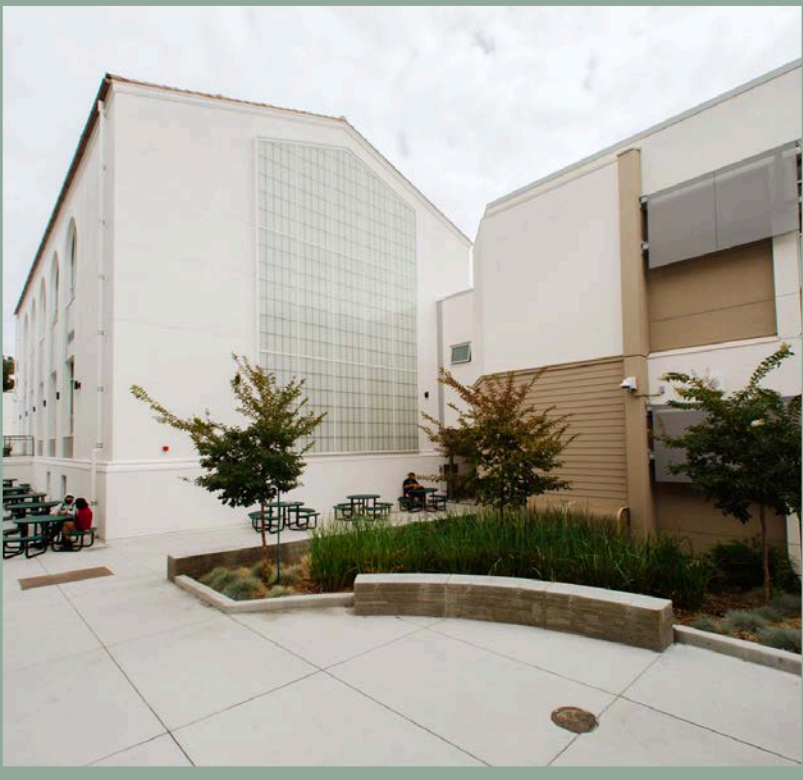
20??

- Total Project Area: ??
- Person Responsible: Reco Prianto, Principal, CaliChDesign Group  
415.260.2452
- Client Contact: Fernando J. Sanchez  
415.238.1524



# Current Projects

Fremont High School Modernization, Oakland Unified School District  
Oakland, CA



## Goals and Strategy

CDG is currently serving as the Civil Engineer of Record for the Fremont High School Modernization and Redevelopment project. The scope of work includes demolition of approximately 95% of the existing 12-acre urban campus and construction of 9 buildings totaling approximately 190,000 sq. ft. to serve up to 1,200 students and future buildings have been master planned to add 24,000 sq. ft. of additional space to accommodate up to 1,500 students. The project also includes a regulation football and soccer all-weather field running track.

The project was a PG&E Net Zero (NZE) campus where energy generation and use are balanced. Civil scope of work included the design of mainline utility relocations and on-site utility service infrastructure for water, sewer, storm, gas, data, and electric; grading and drainage including up to 40-foot tall retaining walls around the backside of the proposed football field; full C.3 and Title 24 storm water management, treatment, and maintenance and public right-of way encroachment improvement plans.

CDG has addressed C.3 requirements by designing a mix of self-retaining landscaping areas, flow-through biotreatment planters, and lined bioretention basins. The Project is proceeding in four increments, with each increment being reviewed separately by the Division of State Architect (DSA). To date, all submitted increments have been approved.

## Timeline and Contacts

2022

- Total Project Area: 6 Acres
- Person Responsible: Reco Prianto, Principal, CaliChDesign Group  
415.260.2452
- Client Contact: Brent Randall - SDG Architects 925.775.9336  
[brentbr@pacbell.net](mailto:brentbr@pacbell.net)

# Current Projects

Osgood Multi-Family Affordable Housing Projects, Phase 1 & II  
Fremont, CA



## Goals and Strategy

CaliChi Design Group (CDG) was retained for civil engineering services for an affordable housing complex. Phase I included 112-unit, Phase II included 100- units. Services included Pre-Construction Alta Survey and Topographic Survey. CDG generated on site improvement plans for improvements and prepared all civil engineering sheets.

Additionally, CDG supported stakeholder coordination meetings, completion and submittal of Fire Flow Request, Hydrology Calculations and Hydrology Map, Stormwater Plan, SWPP Plan and filing of NOT with California SMARTS website, update Impervious Surface Form, preparations of technical specifications for civil scope, preparation of legal description and map, post construction services and project close-out documentation.

## Timeline and Contacts

2022-Ongoing

- Total Project Area: 6 Acres
- Person Responsible: Reco Prianto, Principal, CaliChDesign Group 415.260.2452
- Client Contact: Brad Dickason, Maracor Development c/o Pacific West Consulting 208.461.0022

# Current Projects

Baywood Repositioning, San Jose, CA



## Goals and Strategy

Full renovation of an existing 3-story multi-tenant commercial building on an approximately 2.1-acre parcel. The project included modifications of the full site on Stevens Creek Blvd, and the parking adjacent to the back of the building. CDG is providing full complement of design development documents including, permitting, storm water control plan, erosion, and sediment plans, grading and storm drainage plans, utility plans, etc.

## Timeline and Contacts

2023

- Total Project Area: 2.1 Acres
- Person Responsible: Reco Prianto, Principal, CaliChi Design Group  
415.260.2452
- Client Contact: Avery Carrig, Retail Design Collaborative  
562.628.8000

# Current Santa Clara Projects

Affordable Housing Project, 80 Saratoga Avenue, Santa Clara, CA



## Goals and Strategy

CaliChi Design Group was retained by Maracor Developments to aid in developing a new affordable housing project total 1.98 acres. Project site was currently an operational YMCA site. CaliChi surveyed existing utilities to determine sufficient capacity without upgrades. Project will replace more than 5,000 sf of impervious surface area which required C.3 stormwater treatment. Project did not require Hydromodification because it is located within an area where catchments drain to hardened channel or tidal areas.

CaliChi prepared a Stormwater Pollution Prevention Plan and filed a Notice of Intent. CaliChi will prepare all civil entitlement documents, attend virtual meetings, prepare C.3 Data Form and Calculations, coordinate 3rd party verification of C.3 plan, coordinate review comments from agencies.

We also prepared a tentative parcel map to create a residential and a commercial condominium. Civil Improvement plans include site, paving and horizontal control plans, site protection plan, mass grading plan, on-site utility plan, stormwater control plan, erosion and sediment control plans, traffic safety, preparation of a hydrology and hydraulics report, and preparation of SWPP and NOI for the LRP to upload to State website.

## Timeline and Contacts

2023

- Person Responsible: Reco Prianto, Principal, CaliChi Design Group  
415.260.2452
- Client Contact: Jarrod Short  
Pacific Companies  
208.908.4875

# Current Santa Clara Projects

Mixed Use-Affordable Housing/Commercial Retail  
2350 South Bascom, Santa Clara, CA

## Goals and Strategy

CaliChi Design Group was retained by Maracor Development and worked with AO Architects out of Orange County for 195 units of residential, 16,000 sq ft of retail, residential parking of sixty-three spaces and retail parking of 7 spaces.

CaliChi's role was to revise Stormwater Runoff Pollution Control for Planning Commission in Santa Clara, update CIPS, Revise Treatment Control Measure Summary Table to revise impervious area to reflect 34, 140sq ft., update and revise program for self-retaining areas reflecting a minimum of 3-inches of ponding depth.



CaliChi also identified plant species which would be utilized through flow-through planters and self-retaining landscape; relocated back flow preventer behind 15-foot sidewalk; replace curb drains with a new storm lateral connecting to a new 15" diameter storm extension along Bascom. Project lies within a non-Hydromodification Manager Area so therefore in not required to comply with City's Hydromodification Management Policy.

## Timeline and Contacts

2023

- Person Responsible: Reco Prianto, Principal, CaliChi Design Group  
415.260.2452
- Client Contact: Jarrod Short  
Pacific Companies  
208.908.4875

# Recent South Bay Projects

Mixed-Use Project 2628 Union Avenue, San Jose, CA

## Goals and Strategy

CaliChi Design Group was retained to provide full civil engineering for a new 299 unit and 11,905,000 sq ft of commercial space, mixed-use building that included 148 parking spaces on 2.5 acres. Details include utility location and coordination, implementation of site design measures, source control measures and stormwater treatment of disturbed area. CaliChi was for preliminary site and paving plan; Coordination of Agency Meetings; Preparation of Stormwater evaluation plan and special plan worksheets.



## Timeline and Contacts

2022

- Total Project Area: Multiple Areas
- Person Responsible: Reco Prianto  
415.260.2452
- Client Contact: Brad Dickason,  
Maracor Development  
208.461.0022



# Projects On The Board

Senior Housing Project 2800 Florin Road, Sacramento, CA



## Goals and Strategy

CaliChi is providing civil engineering design services for a new senior housing development that included 24 6-unit building, one 6-unit amenity building, 21-unit laundry buildings, and case management offices with 173 units at above grade parking. Services included, site, paving and horizontal control plans, mass grading plan, utility plan, stormwater control plan, drainage study and site fire protection plan.

## Contacts

- Total Project Area: 102 Live/Work units on a 1.46 acre parcel
- Person Responsible: Reco Prianto, Principal: CaliChi Design Group 415.260.2452
- Client Contact: Jeremy Harris, Development Director at oWOW 858.449.5270



# On-Going Projects

Adaptive Re-use of an existing historic warehouse into a High-Density Multi-Family Housing Project, 1919 Market, Oakland, CA



## Goals and Strategy

We have designed a network of 15 unique flow-through planters totaling 2,177 sf, 2,978 sf of pervious pavers, and self-retaining landscape areas throughout the site to allow for treatment of 100% of the stormwater flows via volume and flow sizing calculations via gravity only. We were able to distribute planters and pavers throughout the site to “treat the water where it falls.” No hydromodification was required as we reduced the peak discharge by 26% verse existing via passive stormwater elements.

## Timeline and Contacts

2023

- Total Project Area: 102 Live/Work units on a 1.46 -acre parcel
- Person Responsible: Reco Prianto, Principal – CaliChi Design Group 415.260.2452
- Client Contact: Jeremy Harris, Development Director at oWOW 858.449.5270



# Statement of Interest

## CaliChi Design Group

A brief statement summarizing the overall interest, availability, and commitment of the firm for inclusion on SCVURPPP's List.

CaliChi Design Group is very interested in being included in the Santa Clara Valley Urban Runoff Pollution Prevention Program's Pool of Civil Engineering Consultants. We have extensive experience bringing enthusiasm and creativity to innovative stormwater design and, C.3 compliance, LID measures, etc. to SCVURPPP. Reco Prianto, Founder and Managing Principal with CDG who holds both Professional Engineering (P.E.) and QSP/QSD credentials will serve as the Primary Point of Contact and assures his availability to lead any and all projects that arise out of this opportunity. Reco is backed by three civil engineers out of the Oakland office.

Reco is excited to bring his knowledge and expertise in stormwater design, and to share his methodology and innovative approach on LID and hydromodification control measures and models from both CaliChi projects as well as his prior experience working in this arena with a national civil engineering firm.



# About Us

CaliChi Design Group

## Additional Information



Reco Prianto  
P.E., QSD+QSP, LEED AP  
Founder and Principal

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CaliChi Design Group was founded in 2009 by Reco Prianto. While working as a senior engineer at a large national civil engineering firm, he had the epiphany that there could be a better way to enable an enhanced engineering product and outcome for clients through technology and superior customer service. Thus, CDG was created to offer a new paradigm in civil engineering services and the customer experience. We are a full-service civil engineering firm with offices in Oakland, Hawaii, Hood River, and Portland. We are certified as a local or very small business enterprise with the following agencies and can help meet any small business set aside. We are certified through:

- City of Oakland
- OUSD
- County of Alameda
- Port of Oakland

# CaliChi Design Group

“We are in the business of providing solutions.”

## Differentiators

- Highly Responsive
- Partnered Business Model
- Geographic Advantage
- BIM Based Workflow
- Cloud Based Modality
- Innovative Technologies
- Proven Track Record
- Diverse Portfolio
- Municipal Perspective
- Commitment to Sustainable Design



## Suite of Services

- Civil Engineering Design
- Infrastructure Analysis & Design
- Sediment & Erosion Control & Bioswale Design
- Due Diligence
- Site Investigations
- Entitlements & Planning Approvals
- Site/Master Planning
- Permitting Assistance
- Accessibility Upgrades
- ADA Compliance Surveys
- DSA Coordination
- Program Management
- Public Funding Strategies & Compliance
- Construction Administration & Support
- Environmental Studies
- Investigations
- Low Impact Design
- Pervious Surfaces Design
- LEED Coordination
- Storm Water Management
- Peer Review Services
- Dry Utility Consulting

*“I have worked with CaliChi on many different projects as an integrated design and design build project team. Their collaborative and sustainable approach to projects provides innovative designs that are both budget and schedule conscious. The commitment and accessibility from their Principal, Reco Prianto, and his team’s flexible design approach, is the reason I continue to reach out so we can work together on future projects.”*

Tom Kooiker, DBIA  
Project Director – Northern Pacific Region  
McCarthy Building Companies, Inc.

# Technical Capability

## Software Platforms/Proposed Applications

We specifically designed our company to have a small environmental footprint. From our offices, we are able to provide a full palette of civil engineering services, including design and commissioning in compliance with green building standards. Reco has held a Leadership in Energy and Environmental Design accreditation (LEED-AP) for over 25 years.



*“Sustainable Civil Design is our Passion”*



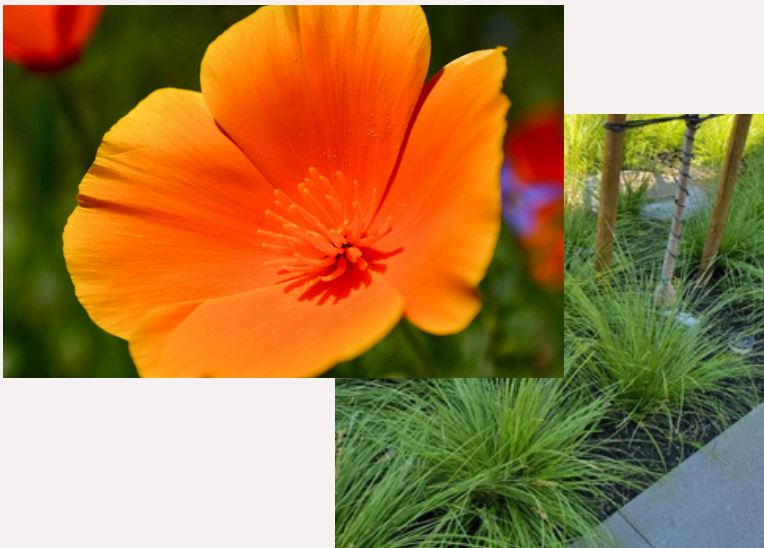
In addition to our sustainable firm wide operations, we also work with our clients to incorporate innovative sustainable practices into their projects in ways that preserve the natural character of the land, preserve our most treasured resource of water, while creating new exterior environments to be enjoyed by all.

# CaliChi Deisgn Group

“CaliChi is not just a civil engineering firm; we are a Consulting firm”.

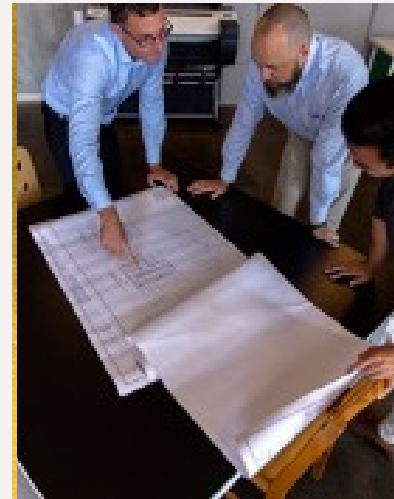
## Benefits

We apply a structured Quality Control approach whereby a Principal of the firm serves as the QC Manager for EVERY project we provide services on. We look at QC as a continuous process that is a team effort by the entire design team, spearheaded by a seasoned veteran with skin in the game.



## Contractor Colaboration

We employ, and have been trained on, industry standard construction collaboration software. We provide standard construction coordination and administration services and can play a variety of roles on the team. One hallmark, however, is an on-site pre-construction meeting prior to mobilization for all consultants to lay out critical design items for the contractor.

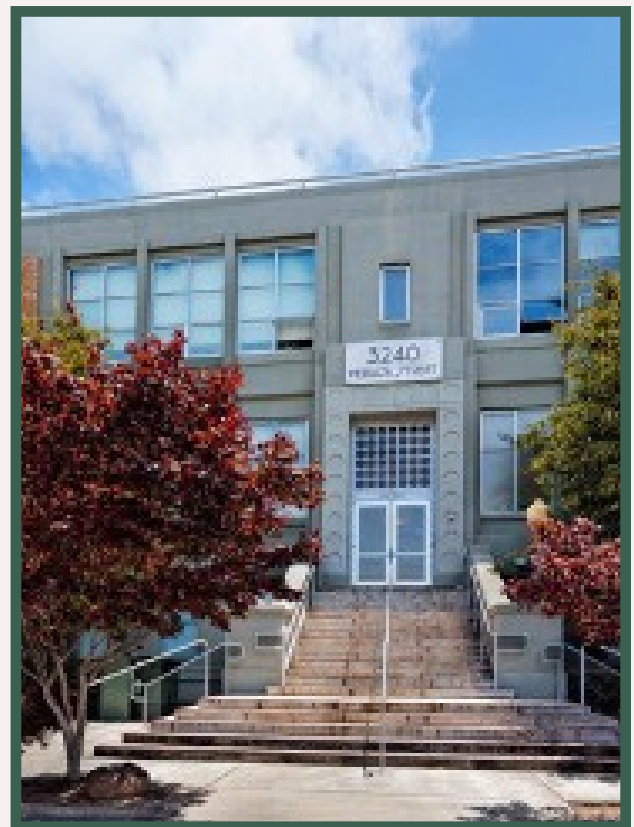


*"I just want to take a moment to appreciate your team's understanding of the need to design fast, with high precision, and just get things done. Development is getting slower and harder to afford and developers need more Architects and Engineers to be like CaliChi to push the process."*

Jeremy Harris, Architectural Director OWow

# CaliChi Design Group

Delivering exceptional results! We are dedicated to finding intricacies in the local codes and often find innovative solutions to some of the most difficult problems and design challenges.



*"I know it does not help when jumping through flaming hoops for a city, but you guys are the best civil engineers I have had the pleasure of working with. Really appreciate all the effort!"*

*Matt Severance Associate/Gensler*

# Contact us for further inquiries

[www.calichi.com](http://www.calichi.com)  
[reco@calichi.com](mailto:reco@calichi.com)  
415.260.2452

August 16, 2024



**CALICHI**  
DESIGN GROUP

TECH-FORWARD CIVIL ENGINEERING