

# PROJECT TEAM + QUALIFICATIONS

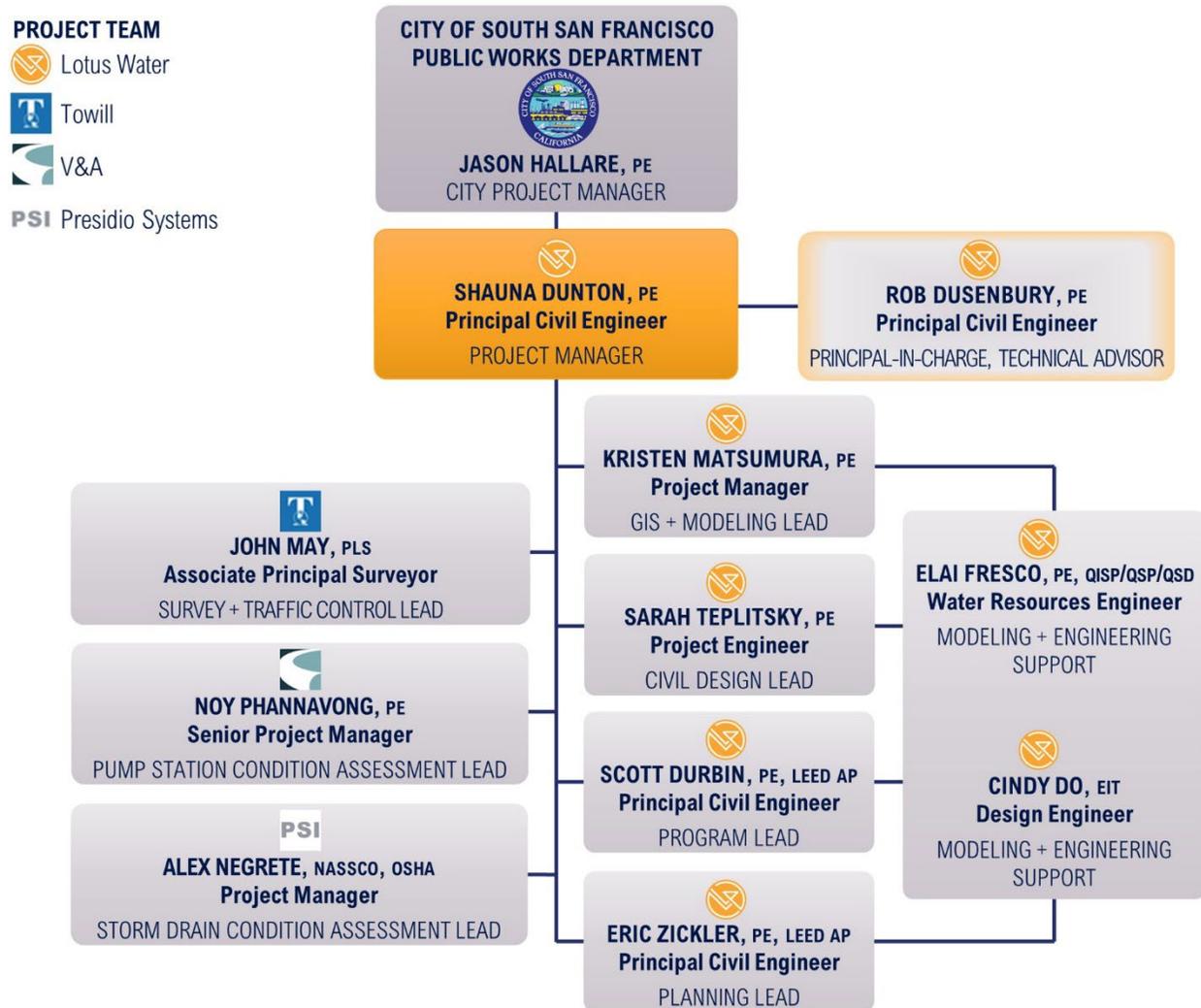


## ATTACHMENT 2 - PROJECT TEAM

## PROJECT TEAM

Each firm on the Lotus Team has been selected based on their expertise in the core service areas and relevant experience in completing the tasks outlined herein. **Lotus** is teaming up again with previous partners **Towill** and **V&A Engineers (V&A)** due to the demonstrated value they will add to this Project. **Presidio Systems (PSI)** brings a blend of qualifications and efficiency that will help with cost control while delivering high-quality certified results for the system-wide condition assessment. The Lotus Team is organized to ensure there are no gaps in responsibilities or expertise, and the engineering team will use our history of working together and accumulated knowledge of stormwater drainage in South San Francisco to deliver the highest quality product possible. Figure 1 presents the team’s organization and roles, followed by qualifications for each firm and key staff, along with their resumes provided in a later Resumes section. The team’s extensive experience on similar projects and past collaborations is summarized in a later Relevant Work Experience section.

Figure 1. Organizational Chart



## FIRM PROFILE + QUALIFICATIONS



**ADDRESS:**

660 Mission Street, Suite 200  
San Francisco, CA 94105

**MAIN CONTACT:**

Robert Dusenbury  
Principal  
rdusenbury@lotuswater.com  
415.308.4010

**YEARS IN BUSINESS:**

16

**FULL-TIME EMPLOYEES:**

22

Established in 2007, **Lotus** is an engineering firm focused on urban stormwater management and sustainable infrastructure design. Lotus’ primary office in San Francisco consists of multi-disciplinary technical specialists, including engineers, planners, and landscape architects. Our infrastructure and resource management systems are not just designed to meet regulatory requirements, but are optimized to meet project financial goals, integrate seamlessly with surrounding elements in the public realm, and exceed sustainability targets. Lotus staff thrive on collaborative, multi-disciplinary teams of design and technical professionals working to optimize the use of space and integrate systems that support overall programming, connectivity, and function. Lotus provides value to our projects by developing innovative yet feasible solutions based on a deep understanding of technical principles, client objectives, community priorities, regulatory requirements, and respecting the importance of every discipline. Lotus has a long history of leading stormwater-related capital planning and implementation throughout the Bay Area and West Coast, including the municipalities of San Francisco, San Jose, and San Mateo County. Through our experience leading the design for the Orange Memorial Park Stormwater Capture and Reuse Project—the first large-scale regional stormwater project in Northern California—and supporting flood resilience initiatives in the Colma Creek watershed, such as SFO’s Shoreline Protection Program and the Colma Creek Adaptation Plan, we have built strong working relationships with design professionals and Bay Area agency partners.

### LOTUS Key Staff Qualifications

Name + Details	Relevant Project Experience
<p><b>SHAUNA DUNTON, PE</b> Principal</p> <p><b>Project Role:</b> Project Manager <b>Related Years of Experience:</b> 21 <b>Location:</b> San Francisco, CA</p>	<ul style="list-style-type: none"> <li>▪ Project Manager for multi-award-winning Orange Memorial Park Regional Stormwater Capture Project in South San Francisco.</li> <li>▪ Led development of Typical GI Details and Specifications for SFPUC, which have been adapted to multiple MRP permittee jurisdictions.</li> <li>▪ Provided recommended updates to standard drainage details for San Mateo County Public Works.</li> <li>▪ Led planning and design for three of San Francisco’s first large-scale GI capital projects.</li> </ul>
<p><b>ROBERT DUSENBURY, PE</b> Principal</p> <p><b>Project Role:</b> Principal-in-charge/Technical Advisor <b>Related Years of Experience:</b> 25 <b>Location:</b> San Francisco, CA</p>	<ul style="list-style-type: none"> <li>▪ Engineer of Record for Orange Memorial Park Stormwater Capture Project (CASQA Outstanding Stormwater Project, 2022).</li> <li>▪ Technical lead for riverine flood study along San Bruno Creek, Lomita Canal, and Millbrae Canal to support SFO Shoreline Protection Program.</li> <li>▪ Bayside Basin lead for Urban Watershed Assessments, part of San Francisco’s \$2B Collection System Plan.</li> <li>▪ Senior QA/QC manager for WQBE modeling study in King County, WA to optimize stormwater infrastructure investments by assessing relative cost-benefits to help select Long-term Control Plan project portfolio.</li> </ul>

Name + Details	Relevant Project Experience
<p><b>KRISTEN MATSUMURA, PE</b> Project Manager</p> <p><b>Project Role:</b> GIS + Modeling Lead <b>Related Years of Experience:</b> 9 <b>Location:</b> San Francisco, CA</p>	<ul style="list-style-type: none"> <li>▪ Created H&amp;H models in EPA SWMM and HEC-RAS to perform flood hazard analysis of tidally influenced creeks surrounding SFO.</li> <li>▪ Built a city-scale H&amp;H model using SWMM to site, size, and evaluate the impact of stormwater infrastructure on flooding and runoff water quality as part of the Zhenjiang Sponge City project.</li> <li>▪ Built interactive tools for WQBE modeling study in King County, WA to view complex model output and visualize summary results by basin.</li> <li>▪ Led the identification and prioritization of sustainable street projects throughout San Mateo County for Sustainable Streets Master Plan.</li> </ul>
<p><b>SARAH TEPLITSKY, PE</b> Project Engineer</p> <p><b>Project Role:</b> Civil Design Lead <b>Related Years of Experience:</b> 8 <b>Location:</b> San Francisco, CA</p>	<ul style="list-style-type: none"> <li>▪ Primary author of San Mateo Drainage Manual as guidance for public and private stormwater management as part of the County’s GI Plan.</li> <li>▪ Designer for Orange Memorial Park Stormwater Capture project.</li> <li>▪ Developed GI project concepts to support grant applications, stakeholder engagement, and implementation in Sunnyvale, CA.</li> <li>▪ Performed field reconnaissance for SFPUC Watershed Assets Condition Assessment, created database, and developed project concepts to be used as an effective tool in applying for grant funding.</li> </ul>
<p><b>SCOTT DURBIN, PE, LEED AP</b> Principal</p> <p><b>Project Role:</b> Program Lead <b>Related Years of Experience:</b> 20 <b>Location:</b> San Francisco, CA</p>	<ul style="list-style-type: none"> <li>▪ Overall project lead for the City of San José’s GI Plan.</li> <li>▪ Westside Basin lead for Urban Watershed Assessments, part of San Francisco’s \$2B Collection System Plan.</li> <li>▪ Led engineering analysis for San Francisco’s Stormwater Design Guidelines, BMP Sizing Calculators, and BMP Fact Sheets.</li> <li>▪ Led development of Project Evaluation Tool for capital plan in King County (Seattle).</li> </ul>
<p><b>ERIC ZICKLER, PE, LEED AP</b> Principal</p> <p><b>Project Role:</b> Planning Lead <b>Related Years of Experience:</b> 20+ <b>Location:</b> San Francisco, CA</p>	<ul style="list-style-type: none"> <li>▪ Led watershed analyses for Resilient by Design team focused on South San Francisco and the Colma Creek watershed.</li> <li>▪ Led development of an integrated plan for King County (Seattle), analyzing green and gray projects for inclusion in their updated long-term control plan.</li> <li>▪ Technical lead for Urban Watershed Assessments in San Francisco, including triple-bottom line green/gray alternatives analysis, watershed education, and outreach.</li> </ul>
<p><b>ELAI FRESCO, PE, QISP/QSP/QSD</b> Water Resources Engineer</p> <p><b>Project Role:</b> Modeling + Engineering Support <b>Related Years of Experience:</b> 7 <b>Location:</b> San Francisco, CA</p>	<ul style="list-style-type: none"> <li>▪ Developed centralized GIS database of Seattle’s drainage and wastewater assets with over 50 risk-based analyses to identify and prioritize investments as part of the Shape Our Water capital planning.</li> <li>▪ Developed hydrologic and combined 1D-2D hydraulic modeling of urban storm drainage and creek systems in SWMM, ArcGIS Pro, and HEC-RAS for the SFO Shoreline Protection Plan Study.</li> <li>▪ Refined hydraulic model for Colma Creek Restoration + Adaptation using HEC-RAS and GIS to understand effects of proposed channel rehabilitation projects on flood extent under future climate scenarios.</li> </ul>

Name + Details	Relevant Project Experience
<p><b>CINDY DO, EIT</b> Design/Water Resources Engineer</p> <p><b>Project Role:</b> Modeling + Engineering Support <b>Related Years of Experience:</b> 6 <b>Location:</b> San Francisco, CA</p>	<ul style="list-style-type: none"> <li>Assessing impacts of proposed creek geometry under different climate and sea level rise scenarios as part of the Colma Creek Adaption HEC-RAS modeling and schematic design.</li> <li>Updated the City of Dublin bioretention specifications and standard details per the latest BASMAA, SF, and San Mateo precedents.</li> <li>Developed a guidebook to assist San Mateo County staff in determining GI feasibility for streetscape projects.</li> </ul>

## SUB-CONSULTANT QUALIFICATIONS



**ADDRESS:**

2300 Clayton Rd, Ste 1200  
Concord, CA 94520-2176

**MAIN CONTACT:**

John May  
Project Manager  
john.may@towill.com  
510.857.7143

**YEARS IN BUSINESS:**

68

**FULL-TIME EMPLOYEES:**

100

San Francisco, County of San Mateo, San Francisco Public Works, San Francisco Public Utilities Commission, Alameda County Public Works Agency, East Bay Municipal Utility District, Contra Costa County Flood Control and Water Conservation District, Contra Costa Water District, Central Sanitary District, County of Santa Cruz Flood Control and Water Conservation District, and Silicon Valley Clean Water.

Towill, Inc. (**Towill**) is an experienced provider of geomatics services, offering a broad range of advanced surveying, remote sensing, photogrammetric mapping, and GIS services for municipal and other projects throughout the United States and around the world. Building on a successful business established in 1955, Towill has continually maintained a reputation for innovation and excellence in the geomatics profession. Headquartered in Concord, CA, Towill has additional Northern California offices in Oakland and San Jose. Towill’s technical staff includes Professional Land Surveyors, land surveyors-in-training, geodetic engineers, civil engineers, party chiefs, CAD technicians, GIS analysts, digital image specialists, Certified Photogrammetrists, mapping specialists, and LiDAR experts. In addition, they have several FAA licensed Unmanned Aerial System (UAS) pilots.

Towill has provided surveying and mapping for similar flood protection and water utility projects involving pipelines, dams, levees, reservoirs, storm water infrastructure, and water treatment facilities for agencies such as City of South

### TOWILL Key Staff Qualifications

Name + Details	Relevant Project Experience
<p><b>JOHN T. MAY, PLS</b> Associate Principal Surveyor</p> <p><b>Project Role:</b> Survey + Traffic Control Lead <b>Related Years of Experience:</b> 25 <b>Location:</b> Concord, CA</p>	<ul style="list-style-type: none"> <li>Survey Manager for City of South San Francisco, Sanitary Sewer Surveys.</li> <li>Survey Manager for The Presidio Trust, As-needed Surveying and Mapping.</li> <li>Survey/Project Manager for Towill’s municipal and water resource projects in Northern California.</li> </ul>

Name + Details	Relevant Project Experience
<b>MATT VIELBAUM, PLS</b> Project Surveyor/Party Chief <b>Project Role:</b> Project Surveyor/Party Chief <b>Related Years of Experience:</b> 17 <b>Location:</b> Concord, CA	<ul style="list-style-type: none"> <li>▪ Party Chief for San Francisco Public Works, As-needed Surveying and Mapping.</li> <li>▪ Survey Chief for San Francisco Public Utilities Commission, Mountain Tunnel Surveys.</li> <li>▪ Project Surveyor and Party Chief for Towill's municipal and water resource projects in Northern California.</li> </ul>
<b>IVAN PHILLIPS</b> Party Chief <b>Project Role:</b> Party Chief <b>Related Years of Experience:</b> 20 <b>Location:</b> Concord, CA	<ul style="list-style-type: none"> <li>▪ Party Chief for Port of San Francisco.</li> <li>▪ Party Chief for Alameda County Public Works Agency (ACPWA), Flood Control Channel Investigation.</li> <li>▪ Party Chief for Towill's municipal and water resource projects in Northern California.</li> </ul>

**ADDRESS:**

1000 Broadway, Suite 320  
Oakland, CA 94607

**MAIN CONTACT:**

Noy Phannavong, PE  
Condition Assessment Lead  
nphannavong@vaengineering.com  
510.987.8115

**YEARS IN BUSINESS:**

44

**TIME EMPLOYEES:**

59

V&A Consulting Engineers, Inc. (**V&A**) is a consulting firm with over 43 years of corrosion engineering experience, including cathodic protection (CP), and specializing in evaluating, rehabilitating, and preserving municipal infrastructure. The firm assists clients in evaluating and extending the remaining useful life of aging infrastructure, primarily in the water, wastewater, and transit industries.

Corrosion Engineering has earned V&A a national reputation as a company providing comprehensive and specialized services to assist owners in assessing and maintaining infrastructure assets by providing the information needed to make smart decisions based on collected data. V&A project teams have provided corrosion condition assessment engineering services for similar storm drain infrastructure master plans, maintenance and rehabilitation studies, and investigations for the SFPUC; EBMUD; Santa Clara Valley Water District; Cities of Palo Alto, Santa Clara, East Palo Alto; and Towns of Moraga, and Hillsborough.

V&A is currently a sub-consultant to AECOM-Lotus Joint Venture in the planning phase of performing a confined space entry assessment of a combined stormwater/sanitary sewage discharge structure for the SFPUC.

### V&A Key Staff Qualifications

Name + Details	Relevant Project Experience
<b>NOY PHANNAVONG, PE</b> Condition Assessment Lead <b>Project Role:</b> Pump Station Condition Assessment Lead <b>Related Years of Experience:</b> 16 <b>Location:</b> Oakland, CA	<ul style="list-style-type: none"> <li>▪ Sr. Project Manager for City of Sacramento Wastewater and Drainage Sump Station Facilities Condition Assessments.</li> <li>▪ Project Manager for SFPUC 5th, 6th, and Division Street Combined Sewer Discharge Structures Condition Assessment.</li> <li>▪ Project Manager for Santa Clara Valley Water District (Valley Water) Piedmont Creek Visual Assessment for Management Plan.</li> </ul>



**ADDRESS:**

153 Wright Brothers Avenue  
Livermore, CA 94551

**MAIN CONTACT:**

Alex Negrete  
Project Manager  
Alex.negrete@presidio-inc.com  
925.683.4837

**YEARS IN BUSINESS:**

21

**FULL-TIME EMPLOYEES:**

38

Presidio Systems, Inc. (**PSI**) was established in 2002 and is an experienced storm water and sewer pipeline inspection company offering CCTV inspections, pipe locating, sewer and storm drain cleaning. PSI is based in Livermore, CA and serves the greater San Francisco Bay Area, Central Valley, and has the ability to service Northern and Southern California with industry leading equipment and a team of professional NASSCO certified technicians. PSI has dedicated Vactor trucks for initial cleaning of pipes, a fleet of state-of-the-art fully equipped computerized camera vans, and mobile hand-held cameras for smaller non-accessible projects. With over 1 million feet of high-tech video inspection completed, PSI has become the leader in municipal storm water and sewer pipe inspections.

**PSI Key Staff Qualifications**

Name + Details	Relevant Project Experience
<p><b>ALEX NEGRETE, NASSCO, OSHA</b> Project Manager</p> <p><b>Project Role:</b> Storm Drain Condition Assessment Lead <b>Related Years of Experience:</b> 18 <b>Location:</b> Livermore, CA</p>	<ul style="list-style-type: none"> <li>▪ Project Manager for:                             <ul style="list-style-type: none"> <li>▪ San Mateo County Sewer Rehabilitation Project.</li> <li>▪ City of Emeryville CCTV and Cleaning Project.</li> <li>▪ Town of Moraga Pavement Project.</li> </ul> </li> </ul>
<p><b>MARIO GUTIERREZ JR.</b> Lead CCTV Technician</p> <p><b>Project Role:</b> CCTV Technician <b>Related Years of Experience:</b> 10 <b>Location:</b> Livermore, CA</p>	<ul style="list-style-type: none"> <li>▪ Lead CCTV Technician for:                             <ul style="list-style-type: none"> <li>▪ San Mateo County Sewer Rehabilitation Project.</li> <li>▪ City of Emeryville CCTV and Cleaning Project.</li> <li>▪ Town of Moraga Pavement Project.</li> </ul> </li> </ul>
<p><b>MARIO GUTIERREZ SR.</b> Lead Vactor Operator</p> <p><b>Project Role:</b> Vactor Operator <b>Related Years of Experience:</b> 28 <b>Location:</b> Livermore, CA</p>	<ul style="list-style-type: none"> <li>▪ Lead Vactor Operator for:                             <ul style="list-style-type: none"> <li>▪ San Mateo County Sewer Rehabilitation Project</li> <li>▪ City of Emeryville CCTV and Cleaning Project.</li> <li>▪ Town of Moraga Pavement Project..</li> </ul> </li> </ul>