

**CONTRACT DOCUMENTS
& SPECIAL PROVISIONS**

For

**GRANITE WAY
WELL SITE IMPROVEMENTS PROJECT,
RE-BID
APTOS, CA**

CWO 11-137



April 2, 2019

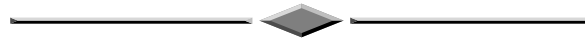
SOQUEL CREEK WATER DISTRICT
5180 Soquel Drive, Soquel CA 95073

PROPOSAL OPENING: May 9, 2019 at 2:00 PM

**SOQUEL CREEK WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA**

BOARD OF DIRECTORS

Dr. Thomas LaHue	President
Dr. Bruce Daniels	Vice President
Dr. Bruce Jaffe	Director
Carla Christensen	Director
Rachel Lather	Director



Ron Duncan	General Manager
Robert E. Bosso	District Counsel
Bosso, Williams, A Professional Corporation	
Taj A. Dufour	Engineering Manager/ Chief Engineer
Emma Olin	Board Clerk

These contract documents and specifications were approved by the Soquel Creek Water District, Santa Cruz County, California by Motion on April 2, 2019.

**Soquel Creek Water District
Contract Documents**

GRANITE WAY WELL SITE IMPROVEMENTS PROJECT, RE-BID, CWO 11-137

TABLE OF CONTENTS

DIVISION 0 - BIDDING AND CONTRACT REQUIREMENTS	<u>PAGE NUMBER</u>
00010 Notice Inviting Bids	00010-1
00100 Instructions to Bidders	00100-1
00200 Information Available to Bidders	00200-1
00300 Bid Form	00300-1
00310 Bid Schedule	00310-1
00400 Iran Contracting Act Certification	00400-1
00410 Bidder's Bond	00410-1
00420 Certification of Bidder's Experience and Qualifications	00420-1
00420A Certification of Bidder's Specialty Subcontractor's Experience and Qualifications	00420A-1
00430 Designation of Subcontractors	00430-1
00440 Site Visit Affidavit	00440-1
00450 NOT USED	00450-1
00458 Certification of Drug-Free Workplace Requirements	00458-1
00480 Noncollusion Affidavit	00480-1
00490 Affidavit of Safety Compliance	00490-1
00500 Agreement	00500-1
00610 Faithful Performance Bond	00610-1
00620 Payment Bond	00620-1

00625	Maintenance Bond	00625-1
00630	Escrow Agreement for Security Deposits in Lieu of Retention	00630-1
00650	General Liability Endorsement	00650-1
00651	Auto Liability Insurance Endorsement	00651-1
00700	General Conditions	00700-1
1.0	General	00700-1
1.1	Contract Agreement	00700-1
1.2	Written Notice and Service Thereof	00700-2
1.3	Rights of Action	00700-2
1.4	Plans and Specifications	00700-2
1.5	Applicability of All Paragraphs of Specifications	00700-3
1.6	Contract Interpretation by the Construction Manager	00700-3
1.7	Order of Precedence	00700-4
1.8	Bonds	00700-4
1.9	Penalty for Collusion	00700-5
1.10	Rights and Remedies	00700-5
2.0	Contract Administration	00700-5
2.1	Administration of the Contract	
2.2	Owner's Representative	
2.3	Construction Manager	
2.4	Design Consultant	
3.0	Owner	00700-8
3.1	General	
3.2	Alteration to Work	
3.3	Observation and Inspection	
3.4	Owner's Right to Use or Occupy	
3.5	Owner's Right to Carry Out the Work	
3.6	Owner's Right to Perform Work and to Award Separate Contracts	
3.7	Responsibility of the Owner	
4.0	Contractor	00700-10
4.1	Status of Contractor and Subcontractors	00700-10
4.2	Contractor's Representative	00700-11
4.3	Use and Protection of Owner's Site and Adjacent Property	00700-12
4.4	Permits and Fees	00700-13
4.5	Compliance with Laws	00700-13
4.6	Compliance with Environmental Laws	00700-16
4.7	Safety	00700-16
4.8	Provisions for Handling Emergencies	00700-21
4.9	Nonstandard Working Hours	00700-21

4.10	Cooperation with Other Contractors	00700-22
4.11	Multi-Employer Work Sites	00700-22
5.0	Control of Work and Material	00700-22
5.1	Means, Methods, and Appliances	00700-22
5.2	Character of Workers	00700-23
5.3	Supply of Sufficient Workers	00700-23
5.4	Materials and Workmanship	00700-23
5.5	Existing Utilities	00700-23
6.0	Progress of the Work	00700-26
6.1	Commencement of Work	00700-26
6.2	Contract Time	00700-26
6.3	Delays	00700-26
6.4	Time Extensions	00700-28
6.5	Liquidated Damages	00700-30
6.6	Suspension of Work	00700-31
6.7	Right to Terminate Contract	00700-31
7.0	Changes in the Work	00700-32
7.1	Change Orders	00700-33
7.2	Differing Site Conditions	00700-33
7.3	Resolution of Disputes	00700-34
8.0	Payment	00700-38
8.1	Basis of Payment	00700-38
8.2	Partial Payments	00700-38
8.3	Right to Withhold Amounts	00700-42
8.4	Security Substitutions for Withholds	00700-43
8.5	Warranty of Title	00700-44
8.6	Substantial Completion	00700-45
8.7	Final Inspection and Payment	00700-45
00800	Supplementary General Conditions	00800-1
1.0	Modifications to the General Conditions	00800-1
1.1	Time Allowed for Completion	00800-1
1.2	Damages for Delays	00800-2
1.3	Weather Days	00800-1
1.4	Contract Administration	00800-2
1.5	Retention	00800-3
2.0	Liability and Insurance	00800-3
2.1	Insurance	00800-3
2.2	Insurance During Guarantee Period	00800-10

3.0	Partnering	00800-10
4.0	Record Drawings and Additional Information	00800-11
5.0	Substantial Completion	00800-12
6.0	NOTE USED	
00823	NOT USED	

DIVISION 1 - GENERAL REQUIREMENTS

Section 01010	Summary of Work	01010-1
	1.0 Work Covered by Contract Documents	01010-1
	2.0 Work Sequence and Constraints	01010-3
	3.0 Not Used	
	4.0 District Furnished Materials	01010-5
	5.0 Not Used	
	6.0 Work Under Other Contracts	01010-5
	7.0 Work Percentages	01010-5
	8.0 Underground Facilities	01010-6
	9.0 Not Used	
	10.0 Access for Operating Personnel	01010-6
Section 01025	Measurement and Payment	01025-1
	1.0 Measurement and Payment	01025-1
	2.0 Description of Bid Items	01025-1
	3.0 Contractor's Cost Breakdown	01025-2
Section 01035	Modification Procedures	01035-1
	1.0 Changes in Contract Price	01035-1
	2.0 Negotiated Change Orders	01035-2
	3.0 Force Account Payment	01035-2
	4.0 Direct Cost Categories	01035-3
	5.0 Markup Allowances	01035-4
	6.0 Increased or Decreased Quantities	01035-5
	7.0 Cost Pricing Data and Access to Records	01035-8
	8.0 Time Extensions for Change Orders	01035-8
	9.0 Not Used	01035-8
Section 01050	Field Engineering	01050-1
	1.0 Datum	01050-1
	2.0 Quality Assurance	01050-1
	3.0 Project Survey Requirements	01050-2
	4.0 Record Documents	01050-2

Section 01060	Regulatory Requirements	01060-1
	1.0 Applicable Codes	01060-1
	2.0 Fees and Permits	01060-1
	3.0 Storm Water Quality Controls	01060-1
	4.0 Mitigation Measures	01060-4
Section 01090	References	01090-1
	1.0 Codes and Standards	01090-1
	2.0 Definitions of Words and Terms	01090-1
	3.0 Abbreviations	01090-7
Section 01200	Project Meetings	01200-1
	1.0 Pre-Construction Conference	01200-1
	2.0 Progress Meetings	01200-1
Section 01210	Project Control System	01210-1
	1.0 Web Database	01210-1
	2.0 Equipment	01210-2
	3.0 Execution	01210-3
Section 01300	Submittals	01300-1
	1.0 Submittals	01300-1
	2.0 Material and Equipment Substitutions	01300-2
	3.0 Submittal and Material List	01300-4
	4.0 Transmittal Procedures	01300-4
	5.0 Review Procedure	01300-5
	6.0 Effect of Review of Contractor's Submittals	01300-6
	7.0 Seismic Design and Anchorage of Equipment and Other Appurtenant Facilities	01300-6
Section 01310	Construction Schedules	01310-1
	1.0 General	01310-1
	2.0 Responsible Scheduling Person	01310-1
	3.0 Construction Schedule	01310-2
	4.0 Weather Conditions	01310-6
	5.0 Updates	01310-6
	6.0 Time Impact Analyses	01310-7
	7.0 Weekly Schedule	01310-9
	8.0 Final Schedule Submittal	01310-9
Section 01345	NOT USED	
Section 01400	Quality Control	01400-1
	1.0 Inspection and Testing	01400-1
	2.0 Test Water	01400-3
	3.0 Certificates of Compliance	01400-3

Section 01510	Temporary Utilities	01510-1
	1.0 Electrical Service	01510-1
	2.0 Water	01510-1
	3.0 Temporary Lighting	01510-1
	4.0 Heating and Ventilation	01510-1
	5.0 Sanitary Conveniences	01510-1
Section 01560	Temporary Controls	01560-1
	1.0 Temporary Facilities	01560-1
	2.0 Staging and Falsework	01560-1
	3.0 Protection of Work, Property and Persons	01560-1
	4.0 Fences	01560-1
	5.0 Temporary Enclosures	01560-2
	6.0 Above Grade Protection	01560-2
	7.0 Working Hours	01560-2
	8.0 Dust Control	01560-3
	9.0 Fire Extinguishers	01560-3
	10.0 Use of Explosives	01560-3
	11.0 Removed Materials	01560-3
	12.0 Construction Cleaning	01560-3
	13.0 Noise Abatement	01560-3
	14.0 Drainage Control	01560-4
	15.0 Erosion Control	01560-4
	16.0 Warning Devices and Barricades	01560-4
	17.0 Traffic Regulations	01560-5
	18.0 Roads and Fences	01560-6
	19.0 Parking and Staging Area	01560-6
	20.0 Trees and Shrubs	01560-7
	21.0 NOT USED	
	22.0 Contractor's Work and Storage Area	01560-7
	23.0 NOT USED	
Section 01600	Material and Equipment	01600-1
	1.0 Salvaging and Storage of Equipment and Materials	01600-1
	2.0 Hazardous Materials	01600-1
	3.0 Disposal of Excavated Material	01600-1
Section 01612	Seismic Design Criteria	01612-1
Section 01614	NOT USED	
Section 01660	Testing and Training	01660-1
	1.0 Testing	01660-1
	2.0 Training of District Personnel	01660-7

Section 01710	Final Cleanup	01710-1
	1.0 Final Site Cleanup	01710-1
	2.0 Final Building/Water System Cleanup	01710-1
Section 01720	Project Record Documents	01720-1
	1.0 Record Drawings and Specifications	01720-1
Section 01730	Operation and Maintenance Data	01730-1
	1.0 Operation and Maintenance Manuals	01730-1
Section 01740	Warranties and Bonds	01740-1
	1.0 Guarantee of Work	01740-1
Section 01750	Spare Parts	01750-1
	1.0 Responsibility for Spare Parts and Tools	01750-1
Section 01800	NOT USED	

**SOQUEL CREEK WATER DISTRICT
GRANITE WAY WELL
TABLE OF CONTENTS**

TECHNICAL SPECIFICATIONS

DIVISION 2 - (02000) – SITEWORK

SECTION	02055	DEMOLITION AND SITE PREPARATION
SECTION	02200	EARTHWORK
SECTION	02350	SHEETING, SHORING, AND BRACING
SECTION	02832	FENCES AND GATES

DIVISION 3 - (03000) – CONCRETE

SECTION	03100	CONCRETE FORMWORK
SECTION	03200	REINFORCEMENT STEEL
SECTION	03300	CAST-IN-PLACE STRUCTURAL CONCRETE
SECTION	03315	GROUT

DIVISION 5 - (05000) – METALS

SECTION	05500	METAL FABRICATIONS
SECTION	05910	HOT-DIP ZINC COATING

DIVISION 9 - (09000) – FINISHES

SECTION	09900	PROTECTIVE COATING SYSTEMS
---------	-------	----------------------------

DIVISION 11 - (11000) – EQUIPMENT

SECTION	11010	GENERAL REQUIREMENTS FOR EQUIPMENT
SECTION	11050	EQUIPMENT MOUNTING
SECTION	11315	SUBMERSIBLE WELL PUMPS

DIVISION 15 - (15000) – MECHANICAL

SECTION	15010	BASIC MECHANICAL REQUIREMENTS
SECTION	15055	PIPING MATERIALS AND COMPONENTS
SECTION	15060	PIPING SYSTEMS

SECTION	15061	STEEL PIPE
SECTION	15064	PVC PIPE
SECTION	15090	PIPE SUPPORTS
SECTION	15100	VALVES AND MISCELLANEOUS COMPONENTS

DIVISION 16 - (16000) – ELECTRICAL

SECTION	16010	GENERAL ELECTRICAL PROVISIONS
SECTION	16030	ELECTRICAL TESTS
SECTION	16110	RACEWAYS, FITTINGS, AND SUPPORTS
SECTION	16011	PROTECTIVE DEVICE COORDINATION STUDY & ARC FLASH ANALYSIS
SECTION	16115	JUNCTION AND DEVICE BOXES AND FITTINGS
SECTION	16120	WIRE AND CABLES, 600 VOLTS AND BELOW
SECTION	16125	MANHOLES, HANDHOLES, & PULL BOXES
SECTION	16130	WIRING DEVICES
SECTION	16160	PILOT DEVICES
SECTION	16200	OVERCURRENT PROTECTIVE DEVICES
SECTION	16250	MOTOR CONTROL CENTER
SECTION	16310	PANELBOARDS
SECTION	16320	SURGE PROTECTIVE DEVICES
SECTION	16324	UNINTERRUPTABLE POWER SUPPLIES
SECTION	16325	DRY-TYPE TRANSFORMERS
SECTION	16330	VARIABLE FREQUENCY DRIVES, 6 PULSE
SECTION	16450	GROUNDING
SECTION	16506	ELECTRICAL EXTENDED WARRANTY AND MAINTENANCE

DIVISION 17 - (17000) – INSTRUMENTATION

SECTION	17010	GENERAL REQUIREMENTS, INSTRUMENTATION
SECTION	17110	INSTRUMENTATION AND CONTROL SYSTEMS
SECTION	17201	CONTROL PANELS
SECTION	17506	EXTENDED WARRANTY & MAINTENANCE
SECTION	17510	FACTORY ACCEPTANCE TEST
SECTION	17512	SITE ACCEPTANCE TESTS
SECTION	17924	CONTROL STRATEGIES

DIVISION 18 - PG&E TRANSFORMER & ELECTRICAL

Section 18010	PG&E Transformer and Electrical	18010-1
	1.0 General	18010-1
	2.0 Product	18010-2
	3.0 Execution	18010-2
	Lopes Utility Design Services Job Inventory an Material List	18010-4

APPENDICES

Well Site Access and Maintenance Easements

County of Santa Cruz Encroachment General Conditions