

Appendix 1

SyCal Engineering, Inc. Proposal No. B200301 for Instrumentation and Controls Improvements

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Proposal

Scotts Valley Water District

*Orchard Run WTP
Aesthetic Water Quality Improvements
Instrumentation and Controls*

*Proposal # B200301
May 7, 2020*



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TECHNICAL SCOPE

1. DESCRIPTION

- 1.1 **SyCal Engineering** will provide control systems engineering labor and materials for the instrumentation and controls for the Scotts Valley Water District Orchard Run WTP Aesthetic Water Quality Improvements project located in Scotts Valley, California.

2. SCOPE OF WORK *SYCAL*

- 2.1 **SyCal** shall provide work for itemized sections (See Item 2.2 below) of the Specification for the Orchard Run WTP Aesthetic Water Quality Improvements – Preliminary 2/27/20
- 2.2 **SyCal** shall provide work Specification sections 17010, 17120, 17140, 17150, 17330, 17505, and 17510. See Item 3 for Scope of Work by Others and Item 4 for Exceptions.

3. SCOPE OF WORK – *OTHERS*

- 3.1 All installation of instrumentation and control panels shall be by others. This includes mounting called out in 17010-3.01.
- 3.2 Aeration Blower VFD material shall be by others.

4. CLARIFICATIONS/EXCEPTIONS

- 4.1 Existing instruments without tags are not be tagged.
- 4.2 No calibration traceability documentation will be provided for instrument in Section 17505-1.02.F.
- 4.3 SyCal will provide controls system engineering for the control panels. This includes Elementary diagrams for the Aeration Blower VFD. Electrical design (conduit schedules, electrical plan etc.) shall be by others.
- 4.4 17010-2.13: Instrument Calibration to only be conducted on new instruments shown in 3.10 Instrument Schedule.

- 4.5 17010-2.14: Factory Testing of control panel is for the Remote PLC panel only, not the existing PLC-1.
- 4.6 17010-3.07.B: System Verification Testing is for new instruments shown in 3.10 Instrument Schedule.
- 4.7 17010-3.07.C: Final Operational Testing will be limited to the Aesthetic Water Quality project and not to the other existing functions at the WTP. It will cover existing instrumentation and controls that are associated with the Aesthetic Water Quality project.
- 4.8 Warranty: SyCal has provided an allocation of 40 hours for the warranty. Time in addition to this will be billed at our standard hourly rates.

PROJECT MANAGEMENT

5. SCHEDULE

5.1 A schedule will be developed as part of the project deliverables.

6. COST

6.1 The fixed price cost for the project is \$ 200,250. Price is good for 120 days from the date of the proposal.

6.2 Sales tax is not included in the cost and will be added to our invoices.

7. PAYMENT SCHEDULE

7.1 Payment will be made based upon work being performed.

7.2 Terms are Net 30 Days.

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