

SPECIFICATIONS - DETAILED PROVISIONS

Section 01026 - Schedule of Values

Addendum No. 1

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SECTION 01026
SCHEDULE OF VALUES

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes: Preparation, format, and submittal of Schedule of Values.
- B. The Schedule of Values will establish unit prices for individual items of work.
- C. The Schedule of Values will be the basis for payment of contract work and will be used to establish payment for any “extra work” i.e., work requested which is beyond the scope of the original contract.

1.02 PREPARATION

- A. Prepare satisfactory Schedule of Values identifying costs of items of work shown in sample included at the end of the Section.
- B. Assign unit prices to items of work and calculate total prices, which aggregate the Contract Price. Base unit prices on costs associated with scheduled activities for each item of work. ***For any bid item broken down into unit prices, Contractor shall verify that the unit cost of the items does not extend beyond two decimal places and that the unit cost when multiplied by the unit quantity equals the exact bid item value with no remainder.***

1.03 SUBMITTAL

- A. Submit preliminary Schedule of Values at the preconstruction meeting to the District for review and approval. DO NOT SUBMIT THE SCHEDULE OF VALUES WITH YOUR BID PACKAGE.
- B. Submit corrected Schedule of Values within ten (10) days upon receipt of reviewed or rejected Schedule of Values for approval by the District.
- C. Upon request, support prices with data which will substantiate their correctness.

PART 2 - EXECUTION

2.01 SAMPLE SCHEDULE OF VALUES

The following is a sample and acceptable form for Schedule of Values.

The District may request additional detail as necessary to adequately represent the Scope of Work. The contractor may provide an additional breakdown of any of the items listed below.
THE CONTRACTOR SHALL VERIFY ALL QUANTITIES AND ITEMS OF WORK PRIOR TO SUBMITTAL.

SCHEDULE OF VALUES

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
1	1	LS	Mobilization and Approved: Bonds and Insurance	Preset	\$ 221,600
2	1	LS	Insurance premium for obtaining EARTHQUAKE insurance to indemnify the District for any damage to the work caused by an Act of God (Public Contract Code 7105)	Lump Sum	\$
3	1	LS	Pre-Construction Video	Lump Sum	\$
4	1	LS	Preparation of Project Control Schedule, including Schedule of Values, furnishing all labor and materials (including computer and software), tools, equipment and incidentals, all work associated with preparing, furnishing, updating, status reports and revising, all in accordance with the Contract Drawings and Specifications.	Lump Sum	\$
5	1	LS	Survey information: Make additional surveys as needed for construction, such as control lines, slope stakes, batter boards, and stakes for pipe locations and other working points, lines, and elevations.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
6	1	LS	Preparation of the SWPPP, record keeping, and reporting requirements of the permit and implementation including: complying with all provisions; and all miscellaneous compliance work.	Lump Sum	\$
7a	1	LS	Demolition of existing Elder Booster Station structures, including demolition of the existing vault (saw cutting and backfilling), structures, concrete pads, structures as shown on the Demolition Plan, temporary security fencing and gates, permitting as required and all miscellaneous building demolition work in accordance with the Drawings and Specifications.	Lump Sum	\$
7b	1	LS	Demolition of existing Elder Booster Station structures, including perimeter site walls, v-ditches, curb and gutter; removal, disposal, and permitting as required; and all other miscellaneous and related demolition work required by Appendix W.	Lump Sum	\$
7c	1	LS	Elder Booster Station site restoration work, including import of engineered fill, compaction, rough grading, finish grading; permanent site fencing and painting; site drainage improvements including v-ditches and outlet structure; curb and gutter; and all other miscellaneous and related site restoration work required by Appendix W.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
8	1	LS	Eucalyptus Booster Pump Station site grading and appurtenant site work, including clearing, grubbing, over excavation, temporary placement/storage of material, replacement of site material, import engineered fill, compaction, rough grading, and finish grading; import and/or export material as required; temporary security fencing and gates; and miscellaneous site work as shown on the Drawings and Specifications, but not specifically listed below.	Lump Sum	\$
9	1	LS	Furnish and install all masonry block perimeter walls and pilasters, including concrete footing, reinforcing steel, mortar, grout, and anti-graffiti coatings per Drawings and Specifications.	Lump Sum	\$
10	1	LS	Furnish and install all powder coated steel electrified and manual gates, including gate operators, loop detectors, access cards and reader stations, gate hardware, security pickets, and appurtenances including painting, coatings, and anti-graffiti coatings per Drawings and Specifications.	Lump Sum	\$
11	1	LS	Furnish and install monument sign and appurtenances including lights, painting, coatings, and anti-graffiti coatings per Drawings and Specifications.	Lump Sum	\$
12	1	LS	Furnish and install all on-site (BPS site) 4-inch AC paving over 6-inch class II aggregate base per Drawings and Specifications.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
13	1	LS	Furnish and install all concrete site work not designated elsewhere, including driveways, equipment pads, sidewalks, building entrance approaches, curb and gutter, and bollards per Drawings and Specifications.	Lump Sum	\$
14	1	LS	Furnish and install site drainage systems including rock drain system, piping, grated inlets, outlets, and concrete swales per Drawings and Specifications.	Lump Sum	\$
15	1	LS	Furnish and install landscaping and irrigation per Drawings and Specifications.	Lump Sum	\$
16	1	LS	Furnish and install pump station building, including reinforced concrete footings, vapor barrier, slabs on grade, equipment pads, and masonry block walls, including reinforcing steel, mortar, grout, and metal coping per Drawings and Specifications.	Lump Sum	\$
17	1	LS	Furnish and install pump station roof system, including steel ridge beam, joists, rafters, fasteners, blocking, fascia, soffit, sheathing, asphalt shingles, insulation, fall protection anchors, and gypsum board, per Drawings and Specifications.	Lump Sum	\$
18	1	LS	Furnish and install building appurtenances, including roof hatches, scuttles, ladders, doors, door hardware, rolling service doors, acoustical panels and barrier walls, and appurtenances per Drawings and Specifications.	Lump Sum	\$
19	1	LS	Furnish and install building plumbing, trench drain, cleanouts, drain pipes, vents, water supply piping, hose bibs, downspouts and scuppers per Drawings and Specifications.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
20	1	LS	Furnish and install all other pump station building improvements and appurtenances, painting and finish work, not specifically identified above or below, including painting, coatings, anti-graffiti coatings as shown on the Drawings and Specifications.	Lump Sum	\$
Mechanical Equipment					
21		EA	Furnish and install 75-HP vertical turbine pumping units and motors per Drawings and Specifications.		\$
22	1	LS	Furnish and install all HVAC system, including evaporative cooler, duct work, fans, louvers, acoustical louvers, and supports per Drawings and Specifications.	Lump Sum	\$
23	1	LS	Furnish and install emergency engine-generator, silencer with diesel particulate filter, related equipment, and all other improvements for a complete and operable system per Drawings and Specifications.	Lump Sum	\$
24	1	LS	Removal of gasoline engine, RTU, cabinet, antenna, and oil tanks roof ventilator at the Elder BPS for salvaging to EMWD.	Lump Sum	\$
25	1	LS	Prepare and submit Operations and Maintenance Manual per Specifications.	Lump Sum	\$
26	1	LS	Provide Testing and Start-up including testing and start-up plan, equipment manufacturer's certifications, equipment start-up, testing, and functional testing, complete per Specifications.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
Piping					
27	1	LS	Demolition of existing Elder BPS piping, equipment and appurtenances, including disassembly, removal, and legal disposal of existing on-site piping, valves, fittings, and buried piping as shown on the Demolition Plan; salvaging of designated materials to the District; backfill of all excavations; and all miscellaneous demolition work as shown on the Contract Drawings and Specifications.	Lump Sum	\$
28	1	LS	On-Site piping, valves, and other equipment, including furnishing, delivery and installation of all piping systems related work including all fully welded joints, pipe supports, valve supports, blow-offs, painting and coating, hydro-testing, miscellaneous testing, chlorination/disinfection and field start-up and testing, and all other miscellaneous work as shown on the Drawings and Specifications and not specifically listed under Mechanical Equipment or other items.	Lump Sum	\$
29		LF	Furnish and install on-site 24-inch diameter suction welded steel pipeline and appurtenances per Drawings and Specifications.		\$

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Item No.	Qty	Unit	Description	Unit Cost	Total Cost
30	1	LS	Furnish and install on-site 30-inch diameter suction welded steel pipeline header and appurtenances per Drawings and Specifications.	Lump Sum	\$
31		EA	Furnish and install 20-inch diameter pump suction cans, including reinforced concrete encasement and pump base per Drawings and Specifications.		\$
32		EA	Furnish and install below-grade 16-inch diameter welded steel suction piping for each pumping unit, including connection to pump cans, reinforced concrete encasement and appurtenances per Drawings and Specifications.		\$
33		EA	Furnish and install above-grade 10-inch diameter steel pipe and fittings for pump discharge assembly, and appurtenances per Drawings and Specifications.		\$
34		EA	Furnish and install below-grade and above-grade 14-inch diameter welded steel bypass/recirculation piping and fittings, reducers, including reinforced concrete encasement and appurtenances per Drawings and Specifications.		\$
35		EA	Furnish and install above-grade 8-inch diameter welded steel bypass/recirculation pipe, fittings and appurtenances per Drawings and Specifications.		\$
36	1	LS	Furnish and install 20-inch diameter discharge welded steel pipeline header and appurtenances, including fittings, per Drawings and Specifications.	Lump Sum	\$

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Item No.	Qty	Unit	Description	Unit Cost	Total Cost
37		EA	Furnish and install 8-inch pressure relief valve per Drawings and Specifications.		\$
38		EA	Furnish and install 16-inch RS gate valves on-site per Drawings and Specifications.		\$
39		EA	Furnish and install 12-inch RS gate valves on-site per Drawings and Specifications.		\$
40		EA	Furnish and install 14-inch swing check valves per Drawings and Specifications.		\$
41		EA	Furnish and install 10-inch butterfly valves per Drawings and Specifications.		\$
42		EA	Furnish and install 8-inch butterfly valves per Drawings and Specifications.		\$
43		EA	Furnish and install 1-inch air release valves per Drawings and Specifications.		\$
44	1	LS	Miscellaneous off-site piping and related work – piping and connections work in Elder and Eucalyptus Ave, including dewatering, hydro-testing, chlorination/disinfection and field start-up and testing, and all miscellaneous piping related work as shown on the Drawings and Specifications not specifically listed elsewhere.	Lump Sum	\$
45		LF	Furnish and install 6-inch sewer pipeline, including excavation, backfill, street repair, and connections to sewer main per Drawings and Specifications.		\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
46		LF	Furnish and install 24-inch diameter welded steel CML&C pipeline (within the right-of-way) including fittings, thrust restraints, pipeline appurtenances, excavation, backfill, and connection to water mains per Drawings and Specifications.		\$
47		EA	Furnish and install 24-inch diameter RS gate valve off-site per Drawings and Specifications.		\$
48		LF	Furnish and install 20-inch diameter welded steel CML&C pipeline (within the right-of-way) including fittings, reducer, thrust restraints, pipeline appurtenances, excavation, backfill, and connection to water mains per Drawings and Specifications.		\$
49		EA	Furnish and install 18-inch diameter RS gate valve off-site per Drawings and Specifications.		\$
50	1	LS	Furnish and install pavement removal, repair and replacement within Elder Ave., Eucalyptus Ave., including A.C., aggregate base, overlay, grinding, and striping per Drawings and Specifications.	Lump Sum	\$
51	1	LS	Furnish and install trench sheeting, shoring and bracing per California Labor Code per Drawings and Specifications.	Lump Sum	\$
52	1	LS	Prepare and implement a complete traffic control plan, including steel plates, temporary detection systems, signs, flagmen and all other necessary measures as required for the encroachment permit and per Drawings and Specifications.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
Electrical					
53	1	LS	Furnish pre-negotiated (Maxim) security system equipment and improvements per Drawings and Specifications.	PRE-SET	\$ 28,454
54	1	LS	Demolition of existing Elder BPS electrical equipment, conduit, wiring, instruments, control panels, and appurtenances as shown on the Contract Drawings and Specifications.	Lump Sum	\$
55		EA	Furnish and install 10-inch diameter flow mag meter per Drawings and Specifications.		\$
56		EA	Furnish and install 8-inch diameter flow mag meter per Drawings and Specifications.		\$
57	1	LS	Furnish and install all electrical conduit and cable, including trenching, backfill, compaction, conduits, sweeps, pull boxes, wiring, terminations, and encasements.	Lump Sum	\$
58	1	LS	Electrical work and equipment including: providing all trenching, pull boxes, conduits, sweeps, wiring, connections, encasements, temporary power, backfilling, compaction, and all other electrical work as shown on the Drawings and Specifications not specifically listed under other items.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
59	1	LS	Furnish and install all electrical power supply conductors and equipment, including connection to the new MVU transformer, meter, panels, conduits, conductors, terminations, testing, start-up and coordination with the MVU, including excavation, encasement, backfill, and compaction, per Drawings and Specifications.	Lump Sum	\$
60	1	LS	Furnish and install all on site conduit, cable and ducts between new transformer and meter to ATS, including excavation, encasement, backfill, and compaction, per Drawings and Specifications.	Lump Sum	\$
61	1	LS	Furnish and install all electrical distribution conductors and equipment including automatic transfer switch, MCC, soft starts, VFD, load center as well as service distribution panels and related conduits and wiring and connections; per Drawings and Specifications.	Lump Sum	\$
62	1	LS	Furnish and install all instrumentation equipment, panels, electronic chart recorder, and terminal strips for connection to District furnished and installed RTU per Drawings and Specifications.	Lump Sum	\$
63	1	LS	Furnish and install all building lighting per Drawings and Specifications.	Lump Sum	\$
64	1	LS	Furnish and install all other security system improvements required for a complete and operate system per Drawings and Specifications.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
65	1	LS	Furnish and install all SCADA telemetry hardware, radio antenna mast, concrete footing and related conduits, wiring and connections per Drawings and Specifications.	Lump Sum	\$
66	1	LS	Coordinate with the District for District provided programming and program installation.	Lump Sum	\$
67	1	LS	Furnish and install all unit flow meter conduits, wiring and connections; conduits and wiring for pressure reducing valve units and pressure transducers per Drawings and Specifications.	Lump Sum	\$
68	1	LS	Furnish and install all field instrumentation, including pressure transducers, switches, gages, and transmitters, per Drawings and Specifications.	Lump Sum	\$
69	1	LS	Furnish and install all related conduits, wiring, loops, and connections for entry gate access control, keypad pedestal, and sliding gates per Drawings and Specifications.	Lump Sum	\$
70	1	LS	Furnish and install conduits, wiring and connections related to emergency engine generator per Drawings and Specifications.	Lump Sum	\$
71	1	LS	Furnish and install all other work necessary to install the Derceto Aquadapt optimization programming per Drawings and Specifications.	Lump Sum	\$

Item No.	Qty	Unit	Description	Unit Cost	Total Cost
72	1	LS	Integrate into construction and start-up all District furnished items including but not limited to the following items: RTU, Ethernet Router, Antenna element, Network Panel, Telemetry Cable, RTU Programming.	Lump Sum	\$
TOTAL (MUST EQUAL BID AMOUNT)					\$ _____

**DO NOT SUBMIT THE SCHEDULE OF VALUES
WITH YOUR PROPOSAL PACKAGE**

END OF SECTION 01026