

BID TABULATION



County of San Bernardino
REAL ESTATE SERVICES - PROJECT MANAGEMENT DIVISION
 385 N. Arrowhead Ave. • San Bernardino, CA 92415-0184
 (909) 387-5000 • www.sbcounty.gov/ae

Project Mgr: Molly McMillan

Project No: 8Q03

Construction Estimate: \$1,250,000.00

Project: Chino Airport Groundwater
 Assessment Phase V

Bid Date: January 23, 2018

Location: 7000 Merrill Avenue, Chino, CA

Bid Time: 2:00 PM

BIDDER	BOND	NCD	ADDENDUM - (5)	SIGNED	BASE BID	SUB- TOTAL	TOTAL	NOTES
Yellow Jacket Drilling Services PO Box 801 Gilbert, AZ 85299	X	X	X	X	\$ 1,120,183.00	\$ 1,120,183.00	\$ 1,120,183.00	
Cascade Drilling L.P 1333 W 9th Street Upland, CA 91786	X	X	X	X	\$ 1,568,166.00	\$ 1,568,166.00	\$ 1,568,166.00	
					\$ -	\$ -	\$ -	
					\$ -	\$ -	\$ -	
					\$ -	\$ -	\$ -	
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					\$ -	\$ -	\$ -	

BID RESULTS ARE TENTATIVE UNTIL ALL INFORMATION HAS BEEN VERIFIED. RESULTS WILL BE POSTED TO THE WEBSITE WITHIN THREE (3) BUSINESS DAY WWW.SBCOUNTY.GOV/AE

BID PROPOSAL

PROJECT: CHINO AIRPORT GROUNDWATER ASSESSMENT PHASE V
PROJECT – INSTALL GROUNDWATER MONITORING WELLS

LOCATION: Chino Airport, Chino, California

OWNER: County of San Bernardino

BID OPENING: January 23, 2018 at 2:00 p.m.

BIDDER: Yellow Jacket Drilling

County of San Bernardino
Real Estate Services Department – Project Management Division
385 North Arrowhead Avenue, Third Floor
San Bernardino, CA 92415-0184
www.sbcounty.gov/ae

In compliance with your invitation for bids, the undersigned has carefully examined the project Bid Documents, including the drawings and specifications, for the scope of work which is the installation of up to 5 groundwater pumping wells, 12 piezometers, and 10 monitoring wells at different locations at the Chino Airport and the surrounding vicinity; the decommissioning and abandonment of up to 4 production wells at the Chino Airport; and providing certain equipment and materials in support of an aquifer pump testing program at the Chino Airport, in Chino, California, and fully understands the scope and meaning of the Bid Documents. The exact number of groundwater wells and locations will be finalized upon acceptance from the Water Board and results from data collected in the field during drilling.

The undersigned hereby agrees to furnish all materials, labor, tools, equipment, apparatus, facilities, and transportation necessary to complete all work in strict conformity with the drawings and specifications, and to execute the contract to the satisfaction of the Real Estate Services Department – Project Management Division, at the following cost(s):

In case of discrepancy between the written bid set forth and the numerical bid set forth, the written bid shall prevail. In the case of a discrepancy between the written bid or numerical bid set forth on the bid proposal, and the numerical bid set forth in the ePro system, the information on the bid proposal shall prevail.

BASE BID

For the furnishing of the labor, materials, and equipment necessary, to complete all work designated in the Plans and Specifications.

BASE BID - UNIT PRICE BID SCHEDULE

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
Task 1	Drilling and Well Installation				
Task 1A	Pumping Well and Piezometer Installation				
100	Equipment Mobilization/Demobilization - air rotary casing hammer or dual-rotary drill rig	EA	1	\$ 10,000.00	\$ 10,000.00
101	Equipment Mobilization/Demobilization - sonic-rotary and/or CME-95 or equivalent hollow-stem auger (HSA) drill rig	EA	1	\$ 10,000.00	\$ 10,000.00
102	Drill five (5) 12-inch diameter boreholes using air-rotary casing hammer or dual rotary drilling at depths to approximately 300 feet bgs; price to include all equipment, materials, and supplies to complete the drilling and all required site preparation and restoration	LF	990	\$ 87.00	\$ 86,130.00
103A	Drill two (2) 10.5-inch diameter boreholes using sonic rotary at depths to about 300 feet bgs with continuous core collected and groundwater grab samples via direct drive sampler (or equivalent) about every 20 feet at the discretion of on-site geologist; price to include all equipment, materials, and supplies to complete the drilling, sampling, and all required site preparation and restoration	LF	437	\$ 67.00	\$ 29,279.00
103B	Drill four (4) 10.5-inch diameter boreholes using sonic rotary and/or HSA drilling at depths to approximately 300 feet bgs; price to include all equipment, materials, and supplies to complete the drilling and all required site preparation and restoration	LF	739	\$ 67.00	\$ 49,513.00
103C	Collect 1.5-foot split spoon samples if required, per-unit price	EA	--	\$ 650.00	\$ 0.00
104	Purge boreholes via bailer or pumping prior to collection of groundwater samples	HR	32	\$ 540.00	\$ 17,280.00
105	Collect depth-discrete groundwater samples using drive-point or equivalent method	EA	32	\$ 800.00	\$ 25,600.00
106	Furnish and install 6-inch diameter Schedule 80 PVC well casing in 12-inch borehole	LF	605	\$ 18.00	\$ 10,890.00
107	Furnish and install 2-inch diameter Schedule 80 PVC well casing in 10.5-inch borehole	LF	1,420	\$ 4.00	\$ 5,680.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
108	Furnish and install 6-inch diameter continuous-slot 0.020" (0.5-mm) (or other specified slot size) stainless steel (Type 304 or 316) well screen with threaded cross-over and PVC end cap in 12-inch boreholes	LF	280	\$70.00	\$19,600.00
109	Furnish and install 2-inch diameter schedule 80 PVC 0.020" (0.5-mm) slotted well screen (or other specified slot size) with threaded cross-over and PVC end cap in 10.5-inch boreholes	LF	560	\$7.00	\$3,920.00
110	Furnish and install annular materials, to include primary filter pack sand (#2/12 or other specified sieve size), transition sand (#0/30), bentonite aquifer isolation material, cement-bentonite annular seal in 12-inch boreholes	LF	845	\$15.00	\$12,675.00
111	Furnish and install annular materials, to include primary filter pack sand (#2/12 or other specified sieve size), transition sand (#0/30), bentonite aquifer isolation material, cement-bentonite annular seal in 10.5-inch boreholes	LF	1,176	\$18.00	\$21,168.00
112	Furnish and install materials, to include pure bentonite aquifer isolation material for bottom-borehole backfilling in 12-inch boreholes	LF	95	\$135.00	\$12,825.00
113	Furnish and construct 12-inch traffic rated flush-grade wellhead access box for 6-inch pumping wells and 2-inch nested observation wells	EA	11	\$700.00	\$7,700.00
114	Daily travel and rentals. Includes chase truck/forklift/hopper and delivery of soil to roll-off bins and water to tanks at on-site staging area	Days	51	\$1.00	\$51.00
115	Standby time	HR	6	\$650.00	\$3,900.00
Task 1B	Pumping Well/Piezometer Development				
116	Well development, price to include operator and mobilization and demobilization of development rig with all equipment required, including bailers, surge tools, and submersible pumps and piping	HR	90	\$230.00	\$20,700.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
117	Transport fluid generated during well development activities at each pumping well and piezometer location to on-site staging area. Includes chase truck/water tank and transport/delivery of fluids to storage container(s)	Days	9	\$ 230.00	\$ 2,070.00
		Subtotal - Pumping Wells/Piezometers			\$ 348,981.00
Task 1C	Monitoring Well Installation				
127	Equipment Mobilization/Demobilization - sonic-rotary and/or CME-95 or equivalent HSA drill rig	EA	1	\$ 10,000.00	\$ 10,000.00
128A	Drill up to eleven (11) 10-inch diameter boreholes at depths to approximately 300 feet bgs using either sonic-rotary drilling with continuous core or HSA drilling with 1.5-foot split-spoon soil samples approximately every five (5) feet at discretion of on-site geologist, and groundwater grab samples via direct drive sampler (or equivalent) approximately every 20 feet at the discretion of on-site geologist; price to include all equipment, materials, and supplies to complete the drilling, sampling, and all required site preparation and restoration	LF	1,918	\$ 83.00	\$ 159,194.00
128B	Collect additional 1.5-foot split spoon samples, per-unit price	EA	--	\$ 650.00	\$ 0.00
129A	Site Security to include any barricades, temporary fencing, or onsite security personnel required for protection of drill rig, vehicles, equipment, and supplies	Days	51	\$ 1.00	\$ 51.00
129B	Traffic Control if required (single-lane closure cost per day)	Days	--	\$ 1,200.00	\$ 0.00
130	Furnish and install 4-inch diameter Schedule 80 PVC well casing in 10-inch borehole	LF	1,660	\$ 10.50	\$ 17,430.00
131	Furnish and install 4-inch diameter continuous-slot 0.020" (0.5-mm) (or other specified slot size) stainless steel (Type 304 or 316) well screen with threaded cross-over and stainless steel end cap in 10-inch boreholes	LF	110	\$ 45.00	\$ 4,950.00
132	Purge boreholes via bailer or pumping prior to collection of groundwater samples	HR	80	\$ 540.00	\$ 43,200.00
133	Collect depth-discrete groundwater samples using drive-point or equivalent method	EA	80	\$ 800.00	\$ 64,000.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
134	Furnish and install annular materials, to include primary filter pack sand (#2/12 or other specified sieve size), transition sand (#0/30), bentonite aquifer isolation material, cement-bentonite sanitary seal	LF	1,748	\$ 9.00	\$ 15,732.00
135	Furnish and install materials, to include pure bentonite aquifer isolation material for bottom-borehole backfilling in 10-inch boreholes	LF	170	\$ 74.00	\$ 12,580.00
136	Furnish and construct 10-inch above-grade wellhead access box with crash posts for 4-inch monitoring wells	EA	10	\$ 2,250.00	\$ 22,500.00
137	Furnish and construct 12-inch traffic rated flush-grade wellhead access box for monitoring well installed in Cypress Flood Control Channel following County of San Bernardino's construction specifications.	EA	1	\$ 1,400.00	\$ 1,400.00
138	Daily travel and rentals. Includes chase truck/forklift/hopper and delivery of soil to roll-off bins and water to tanks at on-site staging area	Days	51	\$ 1.00	\$ 51.00
139	Standby time	HR	6	\$ 650.00	\$ 3,900.00
Task 1D	Monitoring Well Development				
140	Well development, price to include operator and mobilization and demobilization of development rig with all equipment required, including bailers, surge tools, and submersible pumps and piping	HR	60	\$ 230.00	\$ 13,800.00
141	Transport fluid generated during well development activities at each monitoring well location to on-site staging area. Includes chase truck/water tank and transport/delivery of fluids to storage container(s)	Days	6	\$ 230.00	\$ 1,380.00
				Subtotal - Monitoring Wells	\$ 370,168.00
Task 1E	Agricultural Well Destruction				
142	Equipment Mobilization/Demobilization - sonic-rotary or CME-95 or equivalent hollow-stem auger (HSA) drill rig	EA	1	\$ 5,850.00	\$ 5,850.00
143	Conduct video logging surveys of up to four (4) former agricultural wells to determine total depth and screen depths	EA	4	\$ 2,375.00	\$ 9,500.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
144	Destroy up to four (4) production wells (up to about 12-inch diameter) using sonic-rotary and/or hollow-stem auger (HSA) drill rig; price to include all equipment, materials, and supplies to complete the drilling, destruction, and all required site preparation, earth moving, and restoration	EA	4	\$ 14,400.00	\$ 57,600.00
145	Daily travel and rentals. Includes chase truck/forklift/hopper and delivery to roll-off bins	Days	20	\$ 1.00	\$ 20.00
146	Standby time	HR	6	\$ 445.00	\$ 2,670.00
		Subtotal - Ag Well Destruction			\$ 75,640.00
		Subtotal Cost - Drilling and Well Installation			\$ 794,789.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
Task 2	Waste Management				
Task 2A	Well and Piezometer Waste Management				
200	Bin Delivery to Chino Airport – per two 20-CY closed-top roll-off bins (total is for 16 bins).	trip	8	\$ 360.00	\$ 2,880.00
201	Bin Liners	each	16	\$45.00	\$ 720.00
202	Bin Rental, per bin/per day (total is for 16 bins for 90 days)	day	1,440	\$ 15.50	\$ 22,320.00
203	Haul Soil to CA Permitted Disposal Facility - Non-hazardous solids	trip	16	\$ 600.00	\$9,600.00
204	Disposal of Soil at CA Permitted Facility - Non-hazardous solids	ton	288	\$ 33.00	\$ 9,504.00
205	Tank Delivery - 20,000 gallon tank closed-top tank	each	2	\$ 475.00	\$ 950.00
206	Tank Rental - 20,000 gallon tank closed-top tank, including valve on inlet & outlet, per tank/per day (total is for 2 tanks for 90 days)	day	180	\$ 28.50	\$ 5,130.00
214	Haul Liquid Wastes to CA Permitted Disposal Facility - Non hazardous liquids	trip	8	\$ 600.00	\$ 4,800.00
215	Disposal of Liquid Wastes at CA Permitted Facility (non-hazardous)	gallon	36,000	\$ 0.15	\$ 5,400.00
216	Tank Clean Out (Pressure Washer + Operator + Clean out)	tank	2	\$ 1,425.00	\$ 2,850.00
217	Tank Removal - 20,000 gallon closed-top tank	each	12	\$ 475.00	\$ 5,700.00
				Subtotal Cost - Waste Management	\$ 69,854.00
Task 3	Piping Conveyance, Aquifer Pumping, and Water Treatment				
Task 3A	Supply Aquifer Pump Test Equipment and Conveyance Piping				
300	Equipment Mobilization, if applicable	lump sum	1	\$ 1,000.00	\$ 1,000.00
301	Delivery and set up of carbon vessels/skid, including all piping/hoses/controls, at Airport Site	lump sum	1	\$ 2,025.00	\$ 2,025.00
302	Tank Delivery - 20,000 gallon tank closed-top tank	each	10	\$ 450.00	\$ 4,500.00
303	Tank Rental - 20,000 gallon tank closed-top tank, including valve on inlet & outlet, per tank/per day (total is for 10 tanks for 90 days)	day	900	\$ 27.00	\$ 24,300.00
304	Rental or purchase of ancillary supplies such as hoses/piping, etc, if not included with rental costs for carbon vessels in Line Items 309 and 310 – specify if rental vs purchase:	lump sum	1	\$ 745.00	\$ 745.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
305	Delivery of pumps, piping, and ancillary equipment	lump sum	1	\$ 340.00	\$ 340.00
306	Deliver generator/fuel tank and materials to Airport	L.S.	1	\$ 340.00	\$ 340.00
307	Rental of diesel-fueled portable generator and fuel tank	week	2	\$900.00	\$ 1,800.00
308	Rental of transfer pump plus associated generator/fuel tank, per pump/per day (total of two pumps/generators)	day	42	\$ 180.00	\$ 7,560.00
309	Weekly rental of two plumbed carbon vessels, including all manifolding, valves, gauges; per set of two vessels. Vessel size: _____ lbs	week	3	\$ 990.00	\$ 2,970.00
309a	Initial fill of vessels in Line 309 with virgin coconut shell carbon, per specs, per set of two vessels	lump sum	1	\$ 6,750.00	\$ 6,750.00
310	Weekly rental of one spare carbon vessel, including all manifolding, valves, gauges; per single vessel. Vessel size: _____ lbs	week	3	\$ 630.00	\$ 1,890.00
310a	Initial fill of vessel in Line 310 with virgin coconut shell carbon, per specs, per single vessel	lump sum	1	\$ 3,350.00	\$ 3,350.00
311A	Installation of tank manifold piping and discharge piping (includes associated required fittings and valving for PW-1/Option A)	foot	4,500	\$ 3.50	\$ 15,750.00
311B	Installation of tank manifold piping and discharge piping (includes associated required fittings and valving for PW-1/Option B)	foot	5,000	\$ 3.50	\$ 17,500.00
311C	Installation of tank manifold piping and discharge piping (includes associated required fittings and valving for PW-2)	foot	500	\$ 4.50	\$ 2,250.00
312	Rental of asphalt cutting/trenching equipment and trench plates	day	21	\$ 175.00	\$ 3,675.00
313	Rental of tank manifold piping and discharge piping	day	21	\$ 820.00	\$ 17,220.00
314	Rental of support structure for well pump cable, if used	week	2	\$ 450.00	\$ 900.00
Task 3B	Aquifer Pumping Tests				
315	Prepare City of Chino ROW permitting	each	1	\$ 900.00	\$ 900.00
316A	Perform coring/trenching across streets and driveways to bury pipe and cover with steel plates for PW-1 Option A.	foot	120	\$ 250.00	\$ 30,000.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
316B	Perform coring/trenching across streets and driveways to bury pipe and cover with steel plates for PW-1 Option B.	foot	180	\$ 250.00	\$ 45,000.00
317	Change out carbon vessel with virgin coconut shell carbon, includes trans and off-site disposal/regen of non-haz carbon (assumes one vessel per change-out)	each	1	\$ 8,200.00	\$ 8,200.00
317a	Incremental additional cost for Item #317 if carbon is CA/RCRA hazardous (per vessel)	each	0	\$ 8,200.00	\$ 0.00
318	Cost for 2 nd or 3 rd carbon vessel change-out if same trip as above change-out, with virgin coconut shell carbon, includes trans and off-site disposal/regen of non-haz carbon (each vessel)	each	0	\$ 8,200.00	\$ 0.00
318a	Incremental additional cost for Item #318 if carbon is CA/RCRA hazardous (per vessel)	each	0	\$ 8,200.00	\$ 0.00
319	Truck/vehicle and personnel to set and remove downhole pump	well	5	\$ 2,000.00	\$ 10,000.00
320	Move pump equipment and generator/fuel tank between the two main test locations and set up at new location	L.S.	1	\$ 450.00	\$ 450.00
321	Move carbon vessels and hoses between the two main test locations and set up at new location	EA	3	\$ 2,250.00	\$ 6,750.00
322	Move carbon vessels and hoses at end of test to fenced storage area, if required	EA	1	\$ 2,250.00	\$ 2,250.00
323	Carbon profile sampling and analysis, including expediting fee for quick turnaround (per sample)	each	2	\$ 425.00	\$ 850.00
324	End-of-test spent non-haz carbon transport and off-site disposal/regen (per vessel; applicable only if carbon must be removed prior to vessel removal, and cost is not already included in Item #327)	each	2	\$ 2,700.00	\$ 5,400.00
324a	Incremental additional cost for Item #324 (or #323 if applicable) if carbon is CA/RCRA hazardous (per vessel)	each	0	\$ 10,000.00	\$ 0.00
325	End-of-test unused carbon removal, per vessel (assuming spare vessel is not used)	each	1	\$ 2,250.00	\$ 2,250.00
326	Decontaminate pump, hoses, cables after each test (including drums, decon station, clean water for decon, containment, and pumping decon water through carbon)	well	5	\$ 2,825.00	\$ 14,125.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
327	Decon, teardown, removal of carbon vessels/skid, including all piping/hoses/controls, from Airport Site	lump sum	1	\$ 4,500.00	\$ 4,500.00
328	Removal of pumps, piping, generators, and ancillary equipment	lump sum	1	\$ 9,000.00	\$ 9,000.00
329	Clean work area, demobilize, remove generator/fuel tank from Airport	L.S.	1	\$ 1,000.00	\$ 1,000.00
		Subtotal Cost - Piping Conveyance and Water Treatment			\$255,540.00
		Total Cost Tasks 1 – 3		\$ 1,120,183.00	

Assumptions & Notes:

- 1) Contractor must have street-legal truck-mounted AQMD-certified HSA rig capable of producing 30,000 ft-lbs. of torque or greater and Sonic-rotary rig to complete the scope of work
- 2) Site Location: Chino Airport, California
- 3) Site access, scheduling, and waste profiling will be conducted by the County's on-site consultant, Tetra Tech
- 4) Final drilling and monitoring well installation locations will be selected by the County of San Bernardino and Tetra Tech
- 5) Final depths will be determined by the on-site geologist, based on analytical results, geologic formations, and depths where first water is encountered
- 6) It is anticipated that up to 16 groundwater samples may be collected per borehole while drilling each well with up to one hour of time to purge/bail borehole
- 7) Additional drilling may be required for collecting groundwater samples, and the bottom borehole backfilled with bentonite pellets for final well installation
- 8) Actual linear footage, number of borings and groundwater samples, and depths of wells subject to change based on conditions encountered and analytical results
- 9) Standby time to be charged only if delay caused by the County
- 10) 20-yard bin storage, rental, profiling, and disposal will be the responsibility a separate subcontractor under Tetra Tech's management
- 11) It is anticipated that hollow-stem auger borings will be drilled with an 8-inch auger for collecting soil and groundwater samples and overdrilled with 10-inch augers for well installation
- 12) Actual quantities of closed-top 20-cubic yard bins and 20,000-gallon water tanks may change based upon actual quantities generated while drilling, installing wells, developing wells, and pump testing
- 13) Any items used in addition to units specified in this table will be billed using same unit rates provided by the Contractor
- 14) The contractor will be responsible for disposal of all downhole well equipment associated with the former agricultural wells to be destroyed. The contractor will not be responsible for the removal and disposal of any above grade structures or infrastructure associated with the well except what is required to gain access to the well for destruction.
- 15) For bidding purposes assume that the agricultural wells being destroyed are equipped with turbine pumps at a depth of 250 feet below ground surface.
- 16) The contractor is responsible for providing roll-off bins, transportation, and disposal. Tetra Tech will collect samples and provide analytical data to the Contractor.

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
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Provide an estimate for the number of work days required to complete Tasks 1A, 1C, and 1E below.

- a. Task 1A Pumping Well and Piezometer Installation +/- 44
- b. Task 1C Monitoring Well Installation +/- 55
- c. Task 1E Agricultural Well Destruction +/- 12

The **TOTAL BASE BID (Tasks 1-3) SUM** of One million, One hundred twenty thousand, one hundred eighty-three Dollars
Written in Words

(\$ 1,120,183.00 -----)

The quantities listed above are only an estimate for each of the items. The actual quantities encountered may be different and compensation will be based on the unit prices established above. In case of discrepancies between the "Unit Price" and the "Total Extension", the "Unit Price" shall prevail.

The above-mentioned BASE BID includes applicable California state sales tax, bonds, insurance and all other costs required to perform all the work described in the project drawings and specifications.

The lowest bid shall be the lowest bid price on the BASE BID. A responsible and responsive bidder who submitted the lowest bid shall be awarded the contract, if it is awarded.

BID DEPOSIT (BID BOND)

There is enclosed herewith, a certified check or surety bond in the amount of ten percent (10%) of the BASE BID, or, more specifically, One hundred twelve thousand, eighteen dollars & 30/100's ----- Dollars (\$ 112,018.30 -----), made payable to the County of San Bernardino. The undersigned agrees that in the event of the failure by the undersigned to execute the necessary contract and furnish the required contract bonds and insurance, the certified check or surety bond and the money payable thereon shall be, and remain, the property of the County of San Bernardino. If the bid is accompanied by a certified or cashier's check, the check shall be deposited by the Real Estate Services Department – Project Management Division, and a County warrant for the full amount shall be issued to the undersigned approximately one month after Contract Award.

If the bid is submitted through the County of San Bernardino Electronic Procurement Network (ePro) then scan the bid security (bid bond) and submit the scanned copy with your bid submittal in ePro, additionally, mail or submit the original bid security, in a separate sealed envelope labeled "Bid Bond" with the title of the work and the name of the bidder clearly marked on the outside, to: Real Estate Services Department – Project Management Division, 385 North Arrowhead Avenue, 3rd Floor, San Bernardino, California, 92415-0184. **Any mailed or submitted bid security must be received on or before the time set for the opening of the bids.**

TIME OF COMPLETION

The undersigned agrees to complete the work within two hundred and seventy five (275) calendar days from the date stipulated in the Notice to Proceed.

LIQUIDATED DAMAGES

Pursuant to the provisions of Government Code Section 53069.85 and in the event that all the Work called for in this Contract is not completed within the number of calendar days set forth, Contractor shall forfeit and pay to the County the sum of **\$1,000.00 per day** for each calendar day the work remains incomplete, to be deducted from any payments due or to become due to the Contractor. (Reference General Conditions and Special Conditions)

ESCROW ACCOUNT

Pursuant to Section 22300 of the Public Contract Code, at the request and expense of the Contractor, the Contractor may substitute qualified securities in lieu of retention withheld by the County and/or establish an escrow account for retention payments.

REJECTION OF BIDS

The undersigned agrees that the County reserves the right to reject any or all bids, and reserves the right to waive informalities in a bid or bids, not affected by law, if to do so seems to best serve the public interest.

VALIDITY OF BIDS

The undersigned agrees that this bid will remain valid for sixty (60) days after the scheduled bid opening.

STATE LICENSES

The undersigned hereby certifies that he/she is currently the holder of a State Contractor's Class C-57 License. The undersigned also certifies that all subcontractor(s) listed under the Designation of Subcontractors section of the Bid Proposal are currently the holder of valid contractor's license(s) in the State of California and the license is the correct class of license for the work to be performed by the subcontractor(s). The undersigned agrees that if he/she does not list a subcontractor(s) under the Designation of Subcontractors section of this Bid Proposal to perform work in any of the following trades, in order to be found responsive and in order to perform that work himself/herself, the undersigned must possess the State general or specialty license for that trade: General Engineering A or Pipeline Contractor C-34; and in addition a Hazardous Substance Removal Certification (HAZ).

INSURANCE

The undersigned agrees to furnish certified copies of all insurance policies and endorsements; all certificates of comprehensive, general and auto liability insurance; Workers' Compensation insurance; and such other insurance that will protect him from claims for damages and personal injury, including death, which may arise from operations under the contract, whether such operation be by the undersigned or by any subcontractor of the undersigned, or anyone directly or indirectly employed by the undersigned or any subcontractor of the undersigned in accordance with Section 11.2 of the General Conditions. **The undersigned agrees to provide the Real Estate Services Department – Project Management Division with Certificates of Insurance evidencing the required insurance coverage at the time Contractor executes the contract with the**

County. All policies (excluding Workers' Compensation) shall name the County of San Bernardino and its officers, employees, agents and volunteers as additional insureds. All coverages shall be subject to approval by the County for adequacy of protection.

The undersigned will be required to provide Environmental Liability Insurance as follows:

- a. Environmental Liability Insurance with a combined single limit of not less than five million (\$5,000,000) per claim or occurrence and a separate aggregate for the Contract project. The required additional insured endorsement shall protect the County without any restrictions.
- b. If insurance coverage is provided on a "claims made" policy, the "retroactive date" shall be shown and must be before the date of the start of the contract work. The claims made insurance shall be maintained or "tail" coverage provided for a minimum of five (5) years after Contract completion.

BONDS

If this Bid is successful, the undersigned agrees to execute the required Standard Contract and will furnish a payment bond in an amount equal to one hundred percent (100%) of the contract price and a Faithful Performance Bond in an amount equal to one hundred percent (100%) of the contract price. These bonds shall be secured from a surety company or companies satisfactory to the County within ten (10) calendar days of the contract award and shall be on County approved bond forms. Bonds shall remain in full force and effect for a period of one year following the date of filing of Notice of Completion.

FORMER COUNTY OFFICIALS

Contractor agrees to provide or has already provided information on former County of San Bernardino administrative officials (as defined below) who are employed by or represent Contractor. The information provided includes a list of former county administrative officials who terminated county employment within the last five years and who are now officers, principals, partners, associates or members of the business. The information also includes the employment with or representation of contractor. For purposes of this provision, "county administrative official" is defined as a member of the Board of Supervisors or such officer's staff, Chief Executive Officer or member of such officer's staff, county department or group head, assistant department or group head, or any employee in the Exempt Group, Management Unit or Safety Management Unit.

INACCURACIES OR MISREPRESENTATIONS

If during the course of the bid proposal process or in the administration of a resulting Contract, the County determines that the contractor has made a material misstatement or misrepresentation or that materially inaccurate information has been provided to the

County, the contractor may be terminated from the bid proposal process, or in the event a Contract has been awarded, the Contract may be immediately terminated. If a Contract is terminated according to this provision, the County is entitled to pursue any available legal remedies.

VISITING THE SITES

The undersigned has visited the site, and is familiar with the local conditions of the work site.

DESIGNATION OF SUBCONTRACTORS

In compliance with the provisions of Sections 4100-4108 of the Public Contract Code of the State of California, and any amendments thereof, the undersigned shall set forth below the name, location of the place of business and the California contractor license number of each subcontractor who will perform work (meaning the total amount of the subcontractor's contract amount including all labor, materials, supplies and services) in excess of one-half of one percent (1/2 of 1%) of the total bid; and, the general category or the portion of the work to be performed by each subcontractor.

If the undersigned fails to specify a subcontractor(s) for any work to be performed under the Contract, the undersigned agrees to perform the work and shall not be permitted to subcontract that work except in cases of public emergency, and then only after written finding as public record by the Board of Supervisors. In order for the undersigned to perform the work in any of the following trades, the undersigned must possess the State general or specialty license for that trade: General Engineering A or Pipeline Contractor C-34; and in addition a Hazardous Substance Removal Certification (HAZ).

If the undersigned fails to specify a subcontractor for any work to be performed under the contract, the undersigned agrees to perform the work and shall not be permitted to subcontract that work except in cases of public emergency, and then only after written finding as public record by the Board of Supervisors.

The undersigned certifies that all subcontractor(s) listed below are currently the holder of valid contractor's license(s) in the State of California and the license(s) is the correct class of license for the work to be performed by the subcontractor(s).

The undersigned certifies that it and all subcontractor(s) listed below have registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 (applicable for all bids submitted on or after March 1, 2015). The undersigned agrees that no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 (applicable for all contracts awarded on or after

April 1, 2015). The undersigned acknowledges that the project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

As required by Labor Code 1771.1(a) "A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded."

Where a hearing is required for a decision on the substitution of subcontractors, pursuant to the provisions of Chapter 4, Part 1, Division 2, of the Public Contract Code, (commencing with Section 4100) by the awarding authority, or a duly appointed hearing officer, the Clerk of the Board of Supervisors shall prepare and certify a statement of costs incurred by the County for investigation, and to conduct the hearing, including the costs of any hearing officer and shorthand reporter appointed. For the purposes of a hearing for the substitution of subcontractors (pursuant to the Public Contract Code commencing with Section 4100) the awarding authority shall be the Director of the Real Estate Services Department, or his/her designee.

The statement of costs shall be sent to the undersigned, who shall reimburse the County for all costs. If not paid separately, such reimbursement shall be deducted from monies due and owing to the undersigned prior to acceptance of the project.

CONTRACTOR NAME: Yellow Jacket Drilling

<u>Subcontractor</u>	<u>Portion of Work</u> (Description of work to be performed)	<u>Location of Business</u>	<u>CA Cont. Lic. No.</u>	<u>DIR Reg. No.</u>
Baker Corp	Pipe Rental / IDW containment/ IDW treatment	South Gate, CA	993194, A	1000007343
Pacific Surveys	Logging	Claremont, CA	N/A	1000014306
Patriot Environmental Services, Inc.	Waste Transport	Wilmington, CA	809990, A / HAZ	1000013962
Prominent Systems	IDW Treatment	City of Industry, CA	912647, A	1000017744
Ferreira Construction Co, Inc. dba Ferreira Coastal Constr	Trenching	Chino, CA	985180, A	1000001634

ADDENDA

This bid includes Addendum No. 1 dated 12-05-17
Addendum No. 2 dated 12-08-17
Addendum No. 3 dated 12-21-17
Addendum No. 4 dated 01-10-18
Addendum No. 5 dated 01-16-18
Addendum No. _____ dated _____

Bidder must acknowledge all addendums above, regardless of any acknowledgement of addendums in ePro.

AFFIDAVIT

The undersigned has submitted with the bid proposal a non-collusion declaration, signed under penalty of perjury, for the principal contractor. The undersigned agrees to furnish the County non-collusion declarations for subcontractors signed under penalty of perjury, and states that this is a genuine proposal and is neither collusive nor made in the interest of any other person, and has not induced anyone to submit a sham bid or refrain from bidding.

The undersigned acknowledges it has registered with the ePro system prior to the date and time to receive sealed bids or it will be disqualified.

The undersigned declares: that the only person or parties interested in this proposal as principals are those named herein; that this bid is made without any connection with any other person or persons making a bid for the same work, except for another division of the undersigned which may submit an independent bid; that the bid is in all respects fair and without collusion or fraud; that the undersigned has read the Advertisement for Bids and the Instructions to Bidders and agrees to all the stipulations contained therein; that the undersigned has examined the form of contract (including the specifications, drawings, and other documents incorporated therein by reference); that in the event this bid as submitted, including the incorporated bidding documents, be accepted by the County, the undersigned shall execute a contract to perform the work as outlined herein.

If undersigned is a corporation, proposal must be signed by an authorized officer of the corporation.

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

Check One: Sole Proprietor
 Partnership
 Corporation
 Other

Name of Bidder: Yellow Jacket Drilling

Address: P O Box 801

Gilbert, AZ 85299

Phone: 602-453-3252

Email: john@yjdilling.com

Contractor's License No.: 643081 Primary Class: C57

Expiration Date of Contractor's License 03-31-18

Contractor's DIR Registration # 100006486

I declare under penalty of perjury the above is true and correct.

Authorized Signature:  Title: Operations Manager

Print Name: Richard LeBlanc Date: 01-18-18

NONCOLLUSION DECLARATION

TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

The undersigned declares:

I am the Operations Manager of Yellow Jacket Drilling, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or of any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusion or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 01-09-18 [date], at Phoenix [city], Arizona [state].

Signed:  Richard LeBlanc

Title: Operations Manager

BID BOND

The makers of this bond are, Yellow Jacket Drilling, as Principal, and Nationwide Mutual Insurance Company, as Surety and are held and firmly bound unto the San Bernardino County, hereinafter called the District, in the penal sum of TEN PERCENT (10%) OF THE TOTAL BID PRICE of the Principal submitted to DISTRICT for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the accompanying bid dated January 23rd, 2018, for the Chino Airport Groundwater Assessment Phase V Install GW MW.

If the Principal does not withdraw its bid within the time specified in the Contract Documents; and if the Principal is awarded the Contract and provides all documents to the District as required by the Contract Documents; then this obligation shall be null and void. Otherwise, this bond will remain in full force and effect.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract Documents shall in affect its obligation under this bond, and Surety does hereby waive notice of any such changes.

In the event a lawsuit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorneys' fees, court costs, expert witness fees and expenses.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their several seals this 17th day of January, 2018, the name and corporate seal of each corporation.

(Corporate Seal)

Yellow Jacket Drilling
Principal
[Signature]
By Richard LeBlanc
Title Principal

(Corporate Seal)

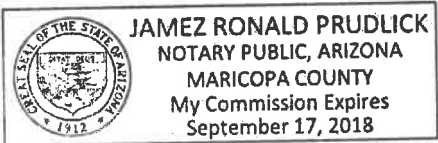
Nationwide Mutual Insurance Company
Surety
[Signature]
By Richard B. Usher

(Attach Attorney-in-Fact Certificate)

Title Attorney-In-Fact

STATE OF ARIZONA)
) ss.
 COUNTY OF MARICOPA)

On this 17th day of January, in the year 2018, before me, Jamez Prudlick, a Notary Public in and for said state, personally appeared Richard B. Usher, known to me to be the person whose name is subscribed to the within instrument as the Attorney-In-Fact of the (Surety) acknowledged to me that he subscribed the name of the Nationwide Mutual Insurance Company (Surety) thereto and his own name as Attorney-In-Fact.



(Handwritten Signature)
 Notary Public in and for said State

(SEAL)

Commission expires: 9/17/18

NOTE: A copy of the Power-of-Attorney to local representatives of the bonding company must be attached hereto.

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS THAT:

Nationwide Mutual Insurance Company, an Ohio corporation
National Casualty Company, an Ohio corporation

AMCO Insurance Company, an Iowa corporation
Allied Property and Casualty Insurance Company, an Iowa corporation

hereinafter referred to severally as the "Company" and collectively as "the Companies" does hereby make, constitute and appoint:

RICHARD B. USHER

TAYLOR B. USHER

DEBORAH STREETER

PHOENIX AZ

each in their individual capacity, its true and lawful attorney-in-fact, with full power and authority to sign, seal, and execute on its behalf any and all bonds and undertakings, and other obligatory instruments of similar nature, in penalties not exceeding the sum of

ONE MILLION FIVE HUNDRED THOUSAND AND NO/100 DOLLARS

\$ 1,500,000.00

and to bind the Company thereby, as fully and to the same extent as if such Instruments were signed by the duly authorized officers of the Company; and all acts of said Attorney pursuant to the authority given are hereby ratified and confirmed.

This power of attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the board of directors of the Company:

"RESOLVED, that the president, or any vice president be, and each hereby is, authorized and empowered to appoint attorneys-in-fact of the Company, and to authorize them to execute and deliver on behalf of the Company any and all bonds, forms, applications, memorandums, undertakings, recognizances, transfers, contracts of indemnity, policies, contracts guaranteeing the fidelity of persons holding positions of public or private trust, and other writings obligatory in nature that the business of the Company may require; and to modify or revoke, with or without cause, any such appointment or authority; provided, however, that the authority granted hereby shall in no way limit the authority of other duly authorized agents to sign and countersign any of said documents on behalf of the Company."

"RESOLVED FURTHER, that such attorneys-in-fact shall have full power and authority to execute and deliver any and all such documents and to bind the Company subject to the terms and limitations of the power of attorney issued to them, and to affix the seal of the Company thereto; provided, however, that said seal shall not be necessary for the validity of any such documents."

This power of attorney is signed and sealed under and by the following bylaws duly adopted by the board of directors of the Company.

Execution of Instruments. Any vice president, any assistant secretary or any assistant treasurer shall have the power and authority to sign or attest all approved documents, instruments, contracts, or other papers in connection with the operation of the business of the company in addition to the chairman of the board, the chief executive officer, president, treasurer or secretary; provided, however, the signature of any of them may be printed, engraved, or stamped on any approved document, contract, instrument, or other papers of the Company.

IN WITNESS WHEREOF, the Company has caused this instrument to be sealed and duly attested by the signature of its officer the 1st day of May, 2017.

Antonio C. Albanese, Vice President of Nationwide Mutual Insurance Company, National Casualty Company, AMCO Insurance Company, Allied Property and Casualty Insurance Company

ACKNOWLEDGMENT

STATE OF NEW YORK, COUNTY OF NEW YORK: ss

On this 1st day of May, 2017, before me came the above-named officer for the Company aforesaid, to me personally known to be the officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, deposes and says, that he is the officer of the Company aforesaid, that the seal affixed hereto is the corporate seal of said Company, and the said corporate seal and his signature were duly affixed and subscribed to said instrument by the authority and direction of said Company.

BARRY T. BASSIS
Notary Public, State of New York
No. 02BA4656400
Qualified in New York County
Commission Expires April 30, 2019

Notary Public
My Commission Expires
April 30, 2019

CERTIFICATE

I, Laura B. Guy, Assistant Secretary of the Company, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney issued by the Company; that the resolution included therein is a true and correct transcript from the minutes of the meetings of the boards of directors and the same has not been revoked or amended in any manner; that said Antonio C. Albanese was on the date of the execution of the foregoing power of attorney the duly elected officer of the Company, and the corporate seal and his signature as officer were duly affixed and subscribed to the said instrument by the authority of said board of directors; and the foregoing power of attorney is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of said Company this 17th day of January, 2018.

This power of attorney expires: April 30, 2019

Assistant Secretary

BID PROPOSAL

PROJECT: CHINO AIRPORT GROUNDWATER ASSESSMENT PHASE V
PROJECT – INSTALL GROUNDWATER MONITORING WELLS

LOCATION: Chino Airport, Chino, California

OWNER: County of San Bernardino

BID OPENING: January 23, 2018 at 2:00 p.m.

BIDDER: Cascade Drilling, L.P. - 1333 W. 9th Street, Upland Ca 91786- (909) 946-1605

County of San Bernardino
Real Estate Services Department – Project Management Division
385 North Arrowhead Avenue, Third Floor
San Bernardino, CA 92415-0184
www.sbcounty.gov/ae

In compliance with your invitation for bids, the undersigned has carefully examined the project Bid Documents, including the drawings and specifications, for the scope of work which is the installation of up to 5 groundwater pumping wells, 12 piezometers, and 10 monitoring wells at different locations at the Chino Airport and the surrounding vicinity; the decommissioning and abandonment of up to 4 production wells at the Chino Airport; and providing certain equipment and materials in support of an aquifer pump testing program at the Chino Airport, in Chino, California, and fully understands the scope and meaning of the Bid Documents. The exact number of groundwater wells and locations will be finalized upon acceptance from the Water Board and results from data collected in the field during drilling.

The undersigned hereby agrees to furnish all materials, labor, tools, equipment, apparatus, facilities, and transportation necessary to complete all work in strict conformity with the drawings and specifications, and to execute the contract to the satisfaction of the Real Estate Services Department – Project Management Division, at the following cost(s):

In case of discrepancy between the written bid set forth and the numerical bid set forth, the written bid shall prevail. In the case of a discrepancy between the written bid or numerical bid set forth on the bid proposal, and the numerical bid set forth in the ePro system, the information on the bid proposal shall prevail.

BASE BID

For the furnishing of the labor, materials, and equipment necessary, to complete all work designated in the Plans and Specifications.

BASE BID - UNIT PRICE BID SCHEDULE

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
Task 1	Drilling and Well Installation				
Task 1A	Pumping Well and Piezometer Installation				
100	Equipment Mobilization/Demobilization - air rotary casing hammer or dual-rotary drill rig	EA	1	\$ 4,500.00	\$ 4,500.00
101	Equipment Mobilization/Demobilization - sonic-rotary and/or CME-95 or equivalent hollow-stem auger (HSA) drill rig	EA	1	\$ 2,500.00	\$ 2,500.00
102	Drill five (5) 12-inch diameter boreholes using air-rotary casing hammer or dual rotary drilling at depths to approximately 300 feet bgs; price to include all equipment, materials, and supplies to complete the drilling and all required site preparation and restoration	LF	990	\$ 98.00	\$ 97,020.00
103A	Drill two (2) 10.5-inch diameter boreholes using sonic rotary at depths to about 300 feet bgs with continuous core collected and groundwater grab samples via direct drive sampler (or equivalent) about every 20 feet at the discretion of on-site geologist; price to include all equipment, materials, and supplies to complete the drilling, sampling, and all required site preparation and restoration	LF	437	\$ 90.00	\$ 39,330.00
103B	Drill four (4) 10.5-inch diameter boreholes using sonic rotary and/or HSA drilling at depths to approximately 300 feet bgs; price to include all equipment, materials, and supplies to complete the drilling and all required site preparation and restoration	LF	739	\$ 87.00	\$ 64,293.00
103C	Collect 1.5-foot split spoon samples if required, per-unit price	EA	--	\$ 15.00	\$ 0.00
104	Purge boreholes via bailer or pumping prior to collection of groundwater samples	HR	32	\$ 650.00	\$ 20,800.00
105	Collect depth-discrete groundwater samples using drive-point or equivalent method	EA	32	\$ 815.00	\$ 26,080.00
106	Furnish and install 6-inch diameter Schedule 80 PVC well casing in 12-inch borehole	LF	605	\$ 20.50	\$ 12,402.50
107	Furnish and install 2-inch diameter Schedule 80 PVC well casing in 10.5-inch borehole	LF	1,420	\$ 4.50	\$ 6,390.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
108	Furnish and install 6-inch diameter continuous-slot 0.020" (0.5-mm) (or other specified slot size) stainless steel (Type 304 or 316) well screen with threaded cross-over and PVC end cap in 12-inch boreholes	LF	280	\$ 82.00	\$ 22,960.00
109	Furnish and install 2-inch diameter schedule 80 PVC 0.020" (0.5-mm) slotted well screen (or other specified slot size) with threaded cross-over and PVC end cap in 10.5-inch boreholes	LF	560	\$ 6.50	\$ 3,640.00
110	Furnish and install annular materials, to include primary filter pack sand (#2/12 or other specified sieve size), transition sand (#0/30), bentonite aquifer isolation material, cement-bentonite annular seal in 12-inch boreholes	LF	845	\$ 10.00	\$ 8,450.00
111	Furnish and install annular materials, to include primary filter pack sand (#2/12 or other specified sieve size), transition sand (#0/30), bentonite aquifer isolation material, cement-bentonite annular seal in 10.5-inch boreholes	LF	1,176	\$ 12.00	\$ 14,112.00
112	Furnish and install materials, to include pure bentonite aquifer isolation material for bottom-borehole backfilling in 12-inch boreholes	LF	95	\$ 92.50	\$ 8,787.50
113	Furnish and construct 12-inch traffic rated flush-grade wellhead access box for 6-inch pumping wells and 2-inch nested observation wells	EA	11	\$ 400.00	\$ 4,400.00
114	Daily travel and rentals. Includes chase truck/forklift/hopper and delivery of soil to roll-off bins and water to tanks at on-site staging area	Days	51	\$ 750.00	\$ 38,250.00
115	Standby time	HR	6	\$ 650.00	\$ 3,900.00
Task 1B	Pumping Well/Piezometer Development				
116	Well development, price to include operator and mobilization and demobilization of development rig with all equipment required, including bailers, surge tools, and submersible pumps and piping	HR	90	\$ 230.00	\$ 20,700.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
117	Transport fluid generated during well development activities at each pumping well and piezometer location to on-site staging area. Includes chase truck/water tank and transport/delivery of fluids to storage container(s)	Days	9	\$ 345.00	\$ 3,105.00
		Subtotal - Pumping Wells/Piezometers			\$ 401,620.00
Task 1C	Monitoring Well Installation				
127	Equipment Mobilization/Demobilization - sonic-rotary and/or CME-95 or equivalent HSA drill rig	EA	1	\$ 2,500.00	\$ 2,500.00
128A	Drill up to eleven (11) 10-inch diameter boreholes at depths to approximately 300 feet bgs using either sonic-rotary drilling with continuous core or HSA drilling with 1.5-foot split-spoon soil samples approximately every five (5) feet at discretion of on-site geologist, and groundwater grab samples via direct drive sampler (or equivalent) approximately every 20 feet at the discretion of on-site geologist; price to include all equipment, materials, and supplies to complete the drilling, sampling, and all required site preparation and restoration	LF	1,918	\$ 87.00	\$ 166,866.00
128B	Collect additional 1.5-foot split spoon samples, per-unit price	EA	--	\$ 15.00	\$ 0.00
129A	Site Security to include any barricades, temporary fencing, or onsite security personnel required for protection of drill rig, vehicles, equipment, and supplies	Days	51	\$ 400.00	\$ 20,400.00
129B	Traffic Control if required (single-lane closure cost per day)	Days	--	\$ 950.00	\$ 0.00
130	Furnish and install 4-inch diameter Schedule 80 PVC well casing in 10-inch borehole	LF	1,660	\$ 10.50	\$ 17,430.00
131	Furnish and install 4-inch diameter continuous-slot 0.020" (0.5-mm) (or other specified slot size) stainless steel (Type 304 or 316) well screen with threaded cross-over and stainless steel end cap in 10-inch boreholes	LF	110	\$ 73.00	\$ 8,030.00
132	Purge boreholes via bailer or pumping prior to collection of groundwater samples	HR	80	\$ 650.00	\$ 52,000.00
133	Collect depth-discrete groundwater samples using drive-point or equivalent method	EA	80	\$ 815.00	\$ 65,200.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
134	Furnish and install annular materials, to include primary filter pack sand (#2/12 or other specified sieve size), transition sand (#0/30), bentonite aquifer isolation material, cement-bentonite sanitary seal	LF	1,748	\$ 10.00	\$ 17,480.00
135	Furnish and install materials, to include pure bentonite aquifer isolation material for bottom-borehole backfilling in 10-inch boreholes	LF	170	\$ 63.50	\$ 10,795.00
136	Furnish and construct 10-inch above-grade wellhead access box with crash posts for 4-inch monitoring wells	EA	10	\$ 1,100.00	\$ 11,000.00
137	Furnish and construct 12-inch traffic rated flush-grade wellhead access box for monitoring well installed in Cypress Flood Control Channel following County of San Bernardino's construction specifications.	EA	1	\$ 1,100.00	\$ 1,100.00
138	Daily travel and rentals. Includes chase truck/forklift/hopper and delivery of soil to roll-off bins and water to tanks at on-site staging area	Days	51	\$ 750.00	\$ 38,250.00
139	Standby time	HR	6	\$ 650.00	\$ 3,900.00
Task 1D	Monitoring Well Development				
140	Well development, price to include operator and mobilization and demobilization of development rig with all equipment required, including bailers, surge tools, and submersible pumps and piping	HR	60	\$ 230.00	\$ 13,800.00
141	Transport fluid generated during well development activities at each monitoring well location to on-site staging area. Includes chase truck/water tank and transport/delivery of fluids to storage container(s)	Days	6	\$ 345.00	\$ 2,070.00
				Subtotal - Monitoring Wells	\$ 430,821.00
Task 1E	Agricultural Well Destruction				
142	Equipment Mobilization/Demobilization - sonic-rotary or CME-95 or equivalent hollow-stem auger (HSA) drill rig	EA	1	\$ 2,500.00	\$ 2,500.00
143	Conduct video logging surveys of up to four (4) former agricultural wells to determine total depth and screen depths	EA	4	\$ 1,500.00	\$ 6,000.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
144	Destroy up to four (4) production wells (up to about 12-inch diameter) using sonic-rotary and/or hollow-stem auger (HSA) drill rig; price to include all equipment, materials, and supplies to complete the drilling, destruction, and all required site preparation, earth moving, and restoration	EA	4	\$ 37,500.00	\$ 150,000.00
145	Daily travel and rentals. Includes chase truck/forklift/hopper and delivery to roll-off bins	Days	20	\$ 750.00	\$ 15,000.00
146	Standby time	HR	6	\$ 650.00	\$ 3,900.00
		Subtotal - Ag Well Destruction			\$ 177,400.00
		Subtotal Cost - Drilling and Well Installation			\$1,009,841.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
Task 2	Waste Management				
Task 2A	Well and Piezometer Waste Management				
200	Bin Delivery to Chino Airport – per two 20-CY closed-top roll-off bins (total is for 16 bins).	trip	8	\$ 765.00	\$ 6,120.00
201	Bin Liners	each	16	\$ 35.00	\$ 560.00
202	Bin Rental, per bin/per day (total is for 16 bins for 90 days)	day	1,440	\$ 15.00	\$ 21,600.00
203	Haul Soil to CA Permitted Disposal Facility - Non-hazardous solids	trip	16	\$ 1,000.00	\$ 16,000.00
204	Disposal of Soil at CA Permitted Facility - Non-hazardous solids	ton	288	\$ 50.00	\$ 14,400.00
205	Tank Delivery - 20,000 gallon tank closed-top tank	each	2	\$ 525.00	\$ 1,050.00
206	Tank Rental - 20,000 gallon tank closed-top tank, including valve on inlet & outlet, per tank/per day (total is for 2 tanks for 90 days)	day	180	\$ 47.50	\$ 8,550.00
214	Haul Liquid Wastes to CA Permitted Disposal Facility - Non hazardous liquids	trip	8	\$ 1,000.00	\$ 8,000.00
215	Disposal of Liquid Wastes at CA Permitted Facility (non-hazardous)	gallon	36,000	\$.57	\$ 20,520.00
216	Tank Clean Out (Pressure Washer + Operator + Clean out)	tank	2	\$ 2,000.00	\$ 4,000.00
217	Tank Removal - 20,000 gallon closed-top tank	each	12	\$ 525.00	\$ 6,300.00
				Subtotal Cost - Waste Management	\$ 107,100.00
Task 3	Piping Conveyance, Aquifer Pumping, and Water Treatment				
Task 3A	Supply Aquifer Pump Test Equipment and Conveyance Piping				
300	Equipment Mobilization, if applicable	lump sum	1	\$ 7,500.00	\$ 7,500.00
301	Delivery and set up of carbon vessels/skid, including all piping/hoses/controls, at Airport Site	lump sum	1	\$ 2,500.00	\$ 2,500.00
302	Tank Delivery - 20,000 gallon tank closed-top tank	each	10	\$ 525.00	\$ 5,250.00
303	Tank Rental - 20,000 gallon tank closed-top tank, including valve on inlet & outlet, per tank/per day (total is for 10 tanks for 90 days)	day	900	\$ 47.50	\$ 42,750.00
304	Rental or purchase of ancillary supplies such as hoses/piping, etc, if not included with rental costs for carbon vessels in Line Items 309 and 310 – specify if rental vs purchase:	lump sum	1	\$	\$ -

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
305	Delivery of pumps, piping, and ancillary equipment	lump sum	1	\$ 500.00	\$ 500.00
306	Deliver generator/fuel tank and materials to Airport	L.S.	1	\$ 500.00	\$ 500.00
307	Rental of diesel-fueled portable generator and fuel tank	week	2	\$ 1,000.00	\$ 2,000.00
308	Rental of transfer pump plus associated generator/fuel tank, per pump/per day (total of two pumps/generators)	day	42	\$ 200.00	\$ 8,400.00
309	Weekly rental of two plumbed carbon vessels, including all manifolding, valves, gauges; per set of two vessels. Vessel size: _____ lbs	week	3	\$ 1,350.00	\$ 4,050.00
309a	Initial fill of vessels in Line 309 with virgin coconut shell carbon, per specs, per set of two vessels	lump sum	1	\$ 12,700.00	\$ 12,700.00
310	Weekly rental of one spare carbon vessel, including all manifolding, valves, gauges; per single vessel. Vessel size: _____ lbs	week	3	\$ 675.00	\$ 2,025.00
310a	Initial fill of vessel in Line 310 with virgin coconut shell carbon, per specs, per single vessel	lump sum	1	\$ 6,350.00	\$ 6,350.00
311A	Installation of tank manifold piping and discharge piping (includes associated required fittings and valving for PW-1/Option A)	foot	4,500	\$ 4.00	\$ 18,000.00
311B	Installation of tank manifold piping and discharge piping (includes associated required fittings and valving for PW-1/Option B)	foot	5,000	\$ 4.00	\$ 20,000.00
311C	Installation of tank manifold piping and discharge piping (includes associated required fittings and valving for PW-2)	foot	500	\$ 10.00	\$ 5,000.00
312	Rental of asphalt cutting/trenching equipment and trench plates	day	21	\$ 100.00	\$ 2,100.00
313	Rental of tank manifold piping and discharge piping	day	21	\$ 800.00	\$ 16,800.00
314	Rental of support structure for well pump cable, if used	week	2	\$	\$ -
Task 3B	Aquifer Pumping Tests				
315	Prepare City of Chino ROW permitting	each	1	\$ 20,000.00	\$ 20,000.00
316A	Perform coring/trenching across streets and driveways to bury pipe and cover with steel plates for PW-1 Option A.	foot	120	\$ 417.00	\$ 50,040.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
316B	Perform coring/trenching across streets and driveways to bury pipe and cover with steel plates for PW-1 Option B.	foot	180	\$ 417.00	\$ 75,060.00
317	Change out carbon vessel with virgin coconut shell carbon, includes trans and off-site disposal/regen of non-haz carbon (assumes one vessel per change-out)	each	1	\$ 4,500.00	\$ 4,500.00
317a	Incremental additional cost for Item #317 if carbon is CA/RCRA hazardous (per vessel)	each	0	\$ 5,000.00	\$ -
318	Cost for 2 nd or 3 rd carbon vessel change-out if same trip as above change-out, with virgin coconut shell carbon, includes trans and off-site disposal/regen of non-haz carbon (each vessel)	each	0	\$ 4,500.00	\$ -
318a	Incremental additional cost for Item #318 if carbon is CA/RCRA hazardous (per vessel)	each	0	\$ 5,000.00	\$ -
319	Truck/vehicle and personnel to set and remove downhole pump	well	5	\$ 13,000.00	\$ 65,000.00
320	Move pump equipment and generator/fuel tank between the two main test locations and set up at new location	L.S.	1	\$ 1,200.00	\$ 1,200.00
321	Move carbon vessels and hoses between the two main test locations and set up at new location	EA	3	\$ 3,000.00	\$ 9,000.00
322	Move carbon vessels and hoses at end of test to fenced storage area, if required	EA	1	\$ 3,000.00	\$ 3,000.00
323	Carbon profile sampling and analysis, including expediting fee for quick turnaround (per sample)	each	2	\$ 3,500.00	\$ 7,000.00
324	End-of-test spent non-haz carbon transport and off-site disposal/regen (per vessel; applicable only if carbon must be removed prior to vessel removal, and cost is not already included in Item #327)	each	2	\$ 1,500.00	\$ 3,000.00
324a	Incremental additional cost for Item #324 (or #323 if applicable) if carbon is CA/RCRA hazardous (per vessel)	each	0	\$ 5,000.00	\$ -
325	End-of-test unused carbon removal, per vessel (assuming spare vessel is not used)	each	1	\$ 1,500.00	\$ 1,500.00
326	Decontaminate pump, hoses, cables after each test (including drums, decon station, clean water for decon, containment, and pumping decon water through carbon)	well	5	\$ 5,000.00	\$ 25,000.00

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
327	Decon, teardown, removal of carbon vessels/skid, including all piping/hoses/controls, from Airport Site	lump sum	1	\$ 9,000.00	\$ 9,000.00
328	Removal of pumps, piping, generators, and ancillary equipment	lump sum	1	\$ 6,500.00	\$ 6,500.00
329	Clean work area, demobilize, remove generator/fuel tank from Airport	L.S.	1	\$ 15,000.00	\$ 15,000.00
		Subtotal Cost - Piping Conveyance and Water Treatment			\$ 451,225.00
		Total Cost Tasks 1 – 3		\$ 1,568,166.00	

Assumptions & Notes:

- 1) Contractor must have street-legal truck-mounted AQMD-certified HSA rig capable of producing 30,000 ft-lbs. of torque or greater and Sonic-rotary rig to complete the scope of work
- 2) Site Location: Chino Airport, California
- 3) Site access, scheduling, and waste profiling will be conducted by the County's on-site consultant, Tetra Tech
- 4) Final drilling and monitoring well installation locations will be selected by the County of San Bernardino and Tetra Tech
- 5) Final depths will be determined by the on-site geologist, based on analytical results, geologic formations, and depths where first water is encountered
- 6) It is anticipated that up to 16 groundwater samples may be collected per borehole while drilling each well with up to one hour of time to purge/bail borehole
- 7) Additional drilling may be required for collecting groundwater samples, and the bottom borehole backfilled with bentonite pellets for final well installation
- 8) Actual linear footage, number of borings and groundwater samples, and depths of wells subject to change based on conditions encountered and analytical results
- 9) Standby time to be charged only if delay caused by the County
- 10) 20-yard bin storage, rental, profiling, and disposal will be the responsibility a separate subcontractor under Tetra Tech's management
- 11) It is anticipated that hollow-stem auger borings will be drilled with an 8-inch auger for collecting soil and groundwater samples and overdrilled with 10-inch augers for well installation
- 12) Actual quantities of closed-top 20-cubic yard bins and 20,000-gallon water tanks may change based upon actual quantities generated while drilling, installing wells, developing wells, and pump testing
- 13) Any items used in addition to units specified in this table will be billed using same unit rates provided by the Contractor
- 14) The contractor will be responsible for disposal of all downhole well equipment associated with the former agricultural wells to be destroyed. The contractor will not be responsible for the removal and disposal of any above grade structures or infrastructure associated with the well except what is required to gain access to the well for destruction.
- 15) For bidding purposes assume that the agricultural wells being destroyed are equipped with turbine pumps at a depth of 250 feet below ground surface.
- 16) The contractor is responsible for providing roll-off bins, transportation, and disposal. Tetra Tech will collect samples and provide analytical data to the Contractor.

Item	Description of Work	Unit of Measure	Estimated Quantity	(Contractor) Unit Prices	(Contractor) Extended Price
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Provide an estimate for the number of work days required to complete Tasks 1A, 1C, and 1E below.

- a. Task 1A Pumping Well and Piezometer Installation 42 Days
- b. Task 1C Monitoring Well Installation 32 Days
- c. Task 1E Agricultural Well Destruction 20 Days

The **TOTAL BASE BID (Tasks 1-3)** SUM of One Million Five Hundred Sixty-Eight Thousand One Hundred Sixty-Six dollars and Zero Cents Dollars
Written in Words
 (\$ 1,568,166.00)

The quantities listed above are only an estimate for each of the items. The actual quantities encountered may be different and compensation will be based on the unit prices established above. In case of discrepancies between the "Unit Price" and the "Total Extension", the "Unit Price" shall prevail.

The above-mentioned BASE BID includes applicable California state sales tax, bonds, insurance and all other costs required to perform all the work described in the project drawings and specifications.

The lowest bid shall be the lowest bid price on the BASE BID. A responsible and responsive bidder who submitted the lowest bid shall be awarded the contract, if it is awarded.

BID DEPOSIT (BID BOND)

There is enclosed herewith, a certified check or surety bond in the amount of ten percent (10%) of the BASE BID, or, more specifically, bid bond Dollars (\$ _____), made payable to the County of San Bernardino. The undersigned agrees that in the event of the failure by the undersigned to execute the necessary contract and furnish the required contract bonds and insurance, the certified check or surety bond and the money payable thereon shall be, and remain, the property of the County of San Bernardino. If the bid is accompanied by a certified or cashier's check, the check shall be deposited by the Real Estate Services Department – Project Management Division, and a County warrant for the full amount shall be issued to the undersigned approximately one month after Contract Award.

If the bid is submitted through the County of San Bernardino Electronic Procurement Network (ePro) then scan the bid security (bid bond) and submit the scanned copy with your bid submittal in ePro, additionally, mail or submit the original bid security, in a separate sealed envelope labeled "Bid Bond" with the title of the work and the name of the bidder clearly marked on the outside, to: Real Estate Services Department – Project Management Division, 385 North Arrowhead Avenue, 3rd Floor, San Bernardino, California, 92415-0184. **Any mailed or submitted bid security must be received on or before the time set for the opening of the bids.**

TIME OF COMPLETION

The undersigned agrees to complete the work within two hundred and seventy five **(275) calendar days** from the date stipulated in the Notice to Proceed.

LIQUIDATED DAMAGES

Pursuant to the provisions of Government Code Section 53069.85 and in the event that all the Work called for in this Contract is not completed within the number of calendar days set forth, Contractor shall forfeit and pay to the County the sum of **\$1,000.00 per day** for each calendar day the work remains incomplete, to be deducted from any payments due or to become due to the Contractor. (Reference General Conditions and Special Conditions)

Pursuant to Section 22300 of the Public Contract Code, at the request and expense of the Contractor, the Contractor may substitute qualified securities in lieu of retention withheld by the County and/or establish an escrow account for retention payments.

REJECTION OF BIDS

The undersigned agrees that the County reserves the right to reject any or all bids, and reserves the right to waive informalities in a bid or bids, not affected by law, if to do so seems to best serve the public interest.

VALIDITY OF BIDS

The undersigned agrees that this bid will remain valid for sixty (60) days after the scheduled bid opening.

STATE LICENSES

The undersigned hereby certifies that he/she is currently the holder of a State Contractor's Class C-57 License. The undersigned also certifies that all subcontractor(s) listed under the Designation of Subcontractors section of the Bid Proposal are currently the holder of valid contractor's license(s) in the State of California and the license is the correct class of license for the work to be performed by the subcontractor(s). The undersigned agrees that if he/she does not list a subcontractor(s) under the Designation of Subcontractors section of this Bid Proposal to perform work in any of the following trades, in order to be found responsive and in order to perform that work himself/herself, the undersigned must possess the State specialty license for that trade: Pipeline Contractor C-34 and Hazardous Substance Removal Certification (HAZ).

INSURANCE

The undersigned agrees to furnish certified copies of all insurance policies and endorsements; all certificates of comprehensive, general and auto liability insurance; Workers' Compensation insurance; and such other insurance that will protect him from claims for damages and personal injury, including death, which may arise from operations under the contract, whether such operation be by the undersigned or by any subcontractor of the undersigned, or anyone directly or indirectly employed by the undersigned or any subcontractor of the undersigned in accordance with Section 11.2 of the General Conditions. **The undersigned agrees to provide the Real Estate Services Department – Project Management Division with Certificates of Insurance evidencing the required insurance coverage at the time Contractor executes the contract with the County.** All policies (excluding Workers' Compensation) shall name the County of San

Bernardino and its officers, employees, agents and volunteers as additional insureds. All coverages shall be subject to approval by the County for adequacy of protection.

The undersigned will be required to provide Environmental Liability Insurance as follows:

- a. Environmental Liability Insurance with a combined single limit of not less than five million (\$5,000,000) per claim or occurrence and a separate aggregate for the Contract project. The required additional insured endorsement shall protect the County without any restrictions.
- b. If insurance coverage is provided on a "claims made" policy, the "retroactive date" shall be shown and must be before the date of the start of the contract work. The claims made insurance shall be maintained or "tail" coverage provided for a minimum of five (5) years after Contract completion.

BONDS

If this Bid is successful, the undersigned agrees to execute the required Standard Contract and will furnish a payment bond in an amount equal to one hundred percent (100%) of the contract price and a Faithful Performance Bond in an amount equal to one hundred percent (100%) of the contract price. These bonds shall be secured from a surety company or companies satisfactory to the County within ten (10) calendar days of the contract award and shall be on County approved bond forms. Bonds shall remain in full force and effect for a period of one year following the date of filing of Notice of Completion.

FORMER COUNTY OFFICIALS

Contractor agrees to provide or has already provided information on former County of San Bernardino administrative officials (as defined below) who are employed by or represent Contractor. The information provided includes a list of former county administrative officials who terminated county employment within the last five years and who are now officers, principals, partners, associates or members of the business. The information also includes the employment with or representation of contractor. For purposes of this provision, "county administrative official" is defined as a member of the Board of Supervisors or such officer's staff, Chief Executive Officer or member of such officer's staff, county department or group head, assistant department or group head, or any employee in the Exempt Group, Management Unit or Safety Management Unit.

INACCURACIES OR MISREPRESENTATIONS

If during the course of the bid proposal process or in the administration of a resulting Contract, the County determines that the contractor has made a material misstatement or misrepresentation or that materially inaccurate information has been provided to the County, the contractor may be terminated from the bid proposal process, or in the event a Contract has been awarded, the Contract may be immediately terminated. If a

Contract is terminated according to this provision, the County is entitled to pursue any available legal remedies.

VISITING THE SITES

The undersigned has visited the site, and is familiar with the local conditions of the work site.

DESIGNATION OF SUBCONTRACTORS

In compliance with the provisions of Sections 4100-4108 of the Public Contract Code of the State of California, and any amendments thereof, the undersigned shall set forth below the name, location of the place of business and the California contractor license number of each subcontractor who will perform work (meaning the total amount of the subcontractor's contract amount including all labor, materials, supplies and services) in excess of one-half of one percent (1/2 of 1%) of the total bid; and, the general category or the portion of the work to be performed by each subcontractor.

If the undersigned fails to specify a subcontractor(s) for any work to be performed under the Contract, the undersigned agrees to perform the work and shall not be permitted to subcontract that work except in cases of public emergency, and then only after written finding as public record by the Board of Supervisors. In order for the undersigned to perform the work in any of the following trades, the undersigned must possess the State specialty license for that trade: Pipeline Contractor C-34 and Hazardous Substance Removal Certification (HAZ).

If the undersigned fails to specify a subcontractor for any work to be performed under the contract, the undersigned agrees to perform the work and shall not be permitted to subcontract that work except in cases of public emergency, and then only after written finding as public record by the Board of Supervisors.

The undersigned certifies that all subcontractor(s) listed below are currently the holder of valid contractor's license(s) in the State of California and the license(s) is the correct class of license for the work to be performed by the subcontractor(s).

The undersigned certifies that it and all subcontractor(s) listed below have registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 (applicable for all bids submitted on or after March 1, 2015). The undersigned agrees that no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 (applicable for all contracts awarded on or after April 1, 2015). The undersigned acknowledges that the project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

As required by Labor Code 1771.1(a) "A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded."

Where a hearing is required for a decision on the substitution of subcontractors, pursuant to the provisions of Chapter 4, Part 1, Division 2, of the Public Contract Code, (commencing with Section 4100) by the awarding authority, or a duly appointed hearing officer, the Clerk of the Board of Supervisors shall prepare and certify a statement of costs incurred by the County for investigation, and to conduct the hearing, including the costs of any hearing officer and shorthand reporter appointed. For the purposes of a hearing for the substitution of subcontractors (pursuant to the Public Contract Code commencing with Section 4100) the awarding authority shall be the Director of the Real Estate Services Department, or his/her designee.

The statement of costs shall be sent to the undersigned, who shall reimburse the County for all costs. If not paid separately, such reimbursement shall be deducted from monies due and owing to the undersigned prior to acceptance of the project.

CONTRACTOR NAME: Cascade Drilling L.P.

<u>Subcontractor</u>	<u>Portion of Work</u> (Description of work to be performed)	<u>Location of Business</u>	<u>CA Cont. Lic. No.</u>	<u>DIR Reg. No.</u>
United Rentals	Forklift/Backhoe Equipment	Montclair, Ca	029906	1000012175
HazMat Trans	Tank/BinWaste Hauling	San Bernardino Ca	823171	100007578
Pacific Surveys	Video Survey	Claremont, Ca	00914298	1000014306
Waterwell Re-developer	Shot Perforating	Anaheim, Ca	11305935	1000033700
Hi-Way Safety	Traffic Control Services	Chino, Ca	0734420	1000034374

"continued on additional page"

ADDENDA

This bid includes Addendum No. 1 dated 12/05/2017 - Project No. 8Q03
Addendum No. 2 dated 12/08/2017 - Project No. 8Q03
Addendum No. 3 dated 12/21/2017 - Project No. 8Q03
Addendum No. 4 dated 01/10/2018 - Project No. 8Q03
Addendum No. 5 dated 01/16/2018 - Project No. 8Q03
Addendum No. _____ dated _____

Bidder must acknowledge all addendums above, regardless of any acknowledgement of addendums in ePro.

AFFIDAVIT

The undersigned has submitted with the bid proposal a non-collusion declaration, signed under penalty of perjury, for the principal contractor. The undersigned agrees to furnish the County non-collusion declarations for subcontractors signed under penalty of perjury, and states that this is a genuine proposal and is neither collusive nor made in the interest of any other person, and has not induced anyone to submit a sham bid or refrain from bidding.

The undersigned acknowledges it has registered with the ePro system prior to the date and time to receive sealed bids or it will be disqualified.

CONTRACTOR NAME: Cascade Drilling L.P.

<u>Subcontractor</u>	<u>Portion of Work</u> (Description of work to be performed)	<u>Location of Business</u>	<u>CA Cont. Lic No.</u>	<u>DIR Reg. No</u>
United Site Services	Portable Restroom	San Bernardino, Ca	21882	1000010469
GSG Protective Services	Security	Lawndale, Ca	09872	BSIS – 16425
Baker Tank	Tank & Env. Services	Southgate, Ca	993194	1000007343
CP Construction	Pipeline Services	Ontario, Ca	245788	
AIS	Waste Handling	Long Beach, Ca	757133	1000003411

The undersigned declares: that the only person or parties interested in this proposal as principals are those named herein; that this bid is made without any connection with any other person or persons making a bid for the same work, except for another division of the undersigned which may submit an independent bid; that the bid is in all respects fair and without collusion or fraud; that the undersigned has read the Advertisement for Bids and the Instructions to Bidders and agrees to all the stipulations contained therein; that the undersigned has examined the form of contract (including the specifications, drawings, and other documents incorporated therein by reference); that in the event this bid as submitted, including the incorporated bidding documents, be accepted by the County, the undersigned shall execute a contract to perform the work as outlined herein.

If undersigned is a corporation, proposal must be signed by an authorized officer of the corporation.

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

Check One: Sole Proprietor
 Partnership
 Corporation
 Other

Name of Bidder: Cascade Drilling L.P.

Address: 1333 W. 9th Street Upland, Ca 91786

Phone: (909) 946-1605

Email: patkinson@cascade-env.com

Contractor's License No.: 938110 Primary Class: C57 HAZ A

Expiration Date of Contractor's License 9/30/2019

Contractor's DIR Registration # 1000011273

I declare under penalty of perjury the above is true and correct.

Authorized Signature:  Title: Regional Director

Print Name: Paul Atkinson Date: 01/17/2018

BID BOND

Conforms with The American Institute of Architects, A.I.A. Document No. A-310

KNOW ALL BY THESE PRESENTS, That we, Cascade Drilling, L.P.

PO Box 1184, Woodinville, Washington 98072

_____ as Principal, hereinafter called the Principal,
and the Atlantic Specialty Insurance Company

of Bellevue, Washington, a corporation duly organized under
the laws of the State of NY, as Surety, hereinafter called the Surety, are held and firmly bound unto

County of San Bernardino as Obligee, hereinafter called the Obligee,
in the sum of Ten Percent (10%) of the Total Amount of Bid -----

Dollars (10%), for the payment of which sum well and truly to be made, the said Principal and the said
Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for Chino Airport Groundwater Assessment Phase V - Install Groundwater
Monitoring Wells. Project No. 8Q03

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the
Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract
Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and
material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond
or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said
bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said
bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 21st day of December, 2017

Witness

Cascade Drilling, L.P. (Seal)
Principal
PAUL ATKINSON REGIONAL DIRECTOR Title

Andrew Sun
Witness

Atlantic Specialty Insurance Company
By Elizabeth R. Hahn Attorney-in-Fact
California License #0155652

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of SAN BERNARDINO)

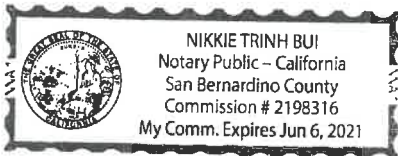
On JANUARY 10, 2018 before me, NIKKIE BUI, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared PAUL ATKINSON
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
 Corporate Officer -- Title(s): _____
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer -- Title(s): _____
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____



Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Deanna M. French, Jill A. Wallace, Susan B. Larson, Elizabeth R. Hahn, Jana M. Roy, Scott McGilvray, Mindee L. Rankin, Ronald J. Lange, John R. Claeys, Roger Kaltenbach, Guy Armfield, Scott Fisher**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **sixty million dollars (\$60,000,000)** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this eighth day of December, 2014.




By 
Paul J. Brehm, Senior Vice President

STATE OF MINNESOTA
HENNEPIN COUNTY

On this eighth day of December, 2014, before me personally came Paul J. Brehm, Senior Vice President of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, that he is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.




Notary Public

I, the undersigned, Assistant Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 2/15 day of December 2017

This Power of Attorney expires
October 1, 2019



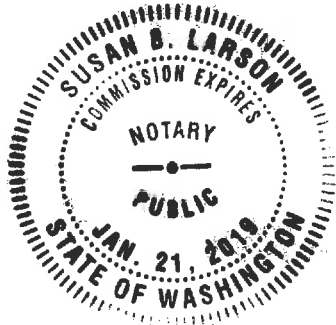

James G. Jordan, Assistant Secretary

ACKNOWLEDGMENT

State of Washington)
County of King)

On this 21st day of December, 2017, before me, Susan B. Larson a notary public in and for the State of Washington, with principal office in the County of King, residing therein, duly commissioned and sworn, personally appeared Elizabeth R. Hahn, known to me to be the person whose name is subscribed to the within instrument as the attorney-in-fact of Atlantic Specialty Insurance Company as surety in said instrument, and acknowledged to me that ~~he~~/she subscribed the name of said corporation thereto as surety, and ~~his~~/her own name as attorney-in-fact.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in the aforesaid County, the day and year in this certificate first above written.



NOTARY PUBLIC

Susan B. Larson
Commission Expires: 01/21/2019

NONCOLLUSION DECLARATION

TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

The undersigned declares:

I am the Regional Director of Operations of Cascade Drilling L.P., the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or of any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusion or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 1/22/18 [date], at Upland [city], CA [state].

Signed: 

Title: Regional Director of Operations - Paul Atkinson

ATTACHMENT A – COVER PAGE

PROPOSER'S NAME (name of firm, entity, or organization): Cascade Drilling L.P.

FEDERAL EMPLOYER IDENTIFICATION NUMBER: 270642404

NAME AND TITLE OF PROPOSER'S CONTACT PERSON: Paul Atkinson

MAILING ADDRESS: 1333 W. 9th Street
Street Address:

City, State, Zip: Upland, Ca 91786

TELEPHONE NUMBER: (909) 946-1606

FAX NUMBER:

EMAIL ADDRESS: patkinson@cascade-env.com

PROPOSER'S ORGANIZATIONAL STRUCTURE

Corporation Partnership Proprietorship Joint Venture

Other (explain):

If Corporation, Date Incorporated: State Incorporated:
States Registered in as foreign corporation:

PROPOSER'S SERVICES OR BUSINESS ACTIVITIES OTHER THAN WHAT THIS RFP REQUESTS:

PROPOSER'S AUTHORIZED SIGNATURE:

The undersigned hereby certifies that this proposal is submitted in response to this solicitation.

SIGNED: [Signature]

DATE: 1/10/18

PRINT NAME: Paul Atkinson

TITLE: Regional Director

ATTACHMENT B – MINIMUM PROPOSER REQUIREMENTS

The following requirements apply to all prospective Proposers.

	Requirement	Agree (initial)	Agree with qualification (initial and attach explanation)
1.	Insert Minimum Proposer Requirements from Section I, Paragraph C.	PA	
	Provide DIR Registration Number for Vendor and all sub-consultants and sub-contractors below. (Dept. include if the Scope of Work is subject to Prevailing Wage)		

If applicable,

Vendor/Sub-Consultant/Sub-Contractor Name	DIR Registration Number
United Rentals	1000012175
Pacific Surveys	1000014306
Water Well Redevelopers	10000337700
Hi-Way Safety	1000034374
United Site Services	1000010469
GSG Protective Services	BSIS-16425
Baker Tank	1000007343
C P Construction Co.	
AIS	1000003411

SIGNED *PA*

PRINT NAME Paul Atkinson

TITLE Regional Director

DATE 1/10/18

Chino Airport Groundwater Assessment Phase V

ATTACHMENT C – EXCEPTIONS TO RFP

PROPOSER NAME Cascade Drilling L.P. _____

ADDRESS 1333 W. 9th Street, Upland Ca 91786 _____

TELEPHONE# (909) 946-1605 _____ FAX # () _____

I have reviewed the RFP, General Agreement Terms and Sample Agreement in their entirety and have the following exceptions: (Please identify and list your exceptions by indicating RFP, the Section or Paragraph number, and Page number, as applicable. Be specific about your objections to content, language, or omissions. Add as many pages as required.)

Name of Authorized Representative Paul Atkinson _____

Signature of Authorized Representative *Paul Atkinson* _____

Date 1/10/18 _____

ATTACHMENT D – STATEMENT OF CERTIFICATION

The following statements are incorporated in our response to the County of San Bernardino.

	Statement	Agree (initial)	Agree with qualification (initial and attach explanation)
1.	The offer made in the proposal is firm and binding for 180 days from the date the proposal is opened and recorded.	PA	
2.	All aspects of the proposal, including the fee proposal, have been determined independently, without consultation with any other prospective Proposer or competitor for the purpose of restricting competition.	PA	
3.	All declarations in the proposal and attachments are true and that this shall constitute a warranty, the falsity of which will entitle the County to pursue any remedy by law.	PA	
4.	Proposer agrees that all aspects of the RFP and the proposal submitted shall be binding if the proposal is selected and an Agreement awarded.	PA	
5.	Proposer agrees to provide the County with any other information the County determines is necessary for an accurate determination of the Proposer's ability to perform the services as proposed; and	PA	
6.	Proposer, if selected will comply with all applicable rules, laws and regulations.	PA	

ATTACHMENT E – REFERENCES

Name of Agency	Contact Name/Address	Phone Number	Dates services provided (from/through*)
Tetra Tech, Inc.	James Gonzales 17885 Von Karman Avenue, Suite 500, Irvine, CA 92614	(949) 809-5000	7/3/17 – 10/17/17
Golder Associates	Tom Vercoutere 425 Lakeside Drive, Sunnyvale, CA 94085	(650) 464-3036	6/5/17 – 7/31/17
Geosyntec Consultants	Kevin Coffman 924 Anacapa Street, Suite 4A, Santa Barbara, CA 93101	(805) 897-3800	1/9/17 – 10/23/17
Amec Foster Wheeler (Wood)	Alex Olsen 1281 East Alluvial Avenue, Suite 101, Fresno, CA 93720	(559) 264-2535	1/9/17 – 9/7/17
Geo-Logic Associates	Jason Sapp 2777 E. Guasti Road, Suite 1, Ontario, CA 91761	(909) 626-2282	5/1/17 – 5/29/17

Provide a minimum of three (3) customer references you have contracted with, providing the same service as requested in this RFP.

*Enter “**Present**” if still providing the services (Example: 10/08/03/present).

ATTACHMENT F – FEE PROPOSAL SHEET(S)

Project No. 8Q03

Chino Airport Groundwater Assessment Phase V Project – Install Groundwater Monitoring Wells

Proposer's All-Inclusive Fee
(Including reimbursable expenses, such as travel costs, printing costs, etc.) \$ 0.00

Proposed Man Hours for Design
(including estimated man hours for agency(ies) reviews) N/A Man Hours

Proposed Schedule for Design
(including estimated agency(ies) reviews) N/A Weeks

Estimate of Construction Schedule 24 Weeks

Estimate of all costs (if applicable)
(including Proposer and construction) required to meet and obtain LEED Silver certification \$ N/A

 REGIONAL DIRECTOR
Signature & Title

Cascade Drilling L.P.
(Firm)

Proposer must complete this form.

ATTACHMENT H – PROPOSAL CHECKLIST

Use this checklist to ensure that all items requested have been included.

Items Completed		Page (s)
1.	Attachment A – Cover Page	1
2.	Attachment B – Minimum Proposer Requirements	2
3.	Attachment C – Exceptions to RFP	3
4.	Attachment D – Statement of Certification	4
5.	Attachment E – References	5
6.	Attachment F – Fee Proposal Sheet (in separate sealed envelope)	6
8.	Attachment H – Proposal Checklist	7
9.	Licenses/Certifications	8



CONTRACTORS
STATE LICENSE BOARD
ACTIVE LICENSE



License Number **938110** PART
License Name **CASCADE DRILLING L P**

License Class **C57 HAZ A**

Expiration Date **09/30/2019**

www.cslb.ca.gov

