

11/10/2023

Christian Valley Park CSD Kenneth Loop Design Phase Scope of Work and Fee Proposal

Our scope of work of the detailed design and preparation of contract documents for the Kenneth Loop Pipeline project are attached. The design effort is based on the recommended pipeline alternative included in the Kenneth Loop Planning Study completed in June 2023.

Task descriptions are included below.

Task 1 – Topographic Survey and Easements. Hydros Engineering, Inc. (HEI) will coordinate the completion of the topographic survey included aerial photo and ground survey for existing utilities and surface features. Giuliani & Kull will provide surveying for the project under a subcontract with Hydros Engineering. We have assumed there will be four permanent and temporary easements necessary.

Task 2 – Geotech. The Nevada Irrigation District (NID) is requiring that the pipeline cross under the canal. The subsurface crossing necessitates the need for a geotechnical evaluation to evaluate the soils for rock, seepage from the canal, soil characteristics pertinent to trenchless pipeline construction. Blackburn Consulting will provide geotechnical services. We have assumed that the depth of the canal crossing will be less than eight feet below grade. This could be dug with a backhoe or excavator and avoiding a drilling contractor resulting in a savings of approximately \$7,000 to \$8,000. Based on the initial survey data we have we expect that a backhoe/excavator will be suitable.

Task 3 – NID Coordination. The NID will require coordination and design review meetings. This task includes meetings to discuss preliminary design, design review and overall coordination with NID engineering staff.

Task 4 – Stakeholder Outreach. There are multiple stakeholder groups in the project area including two road associations and individual property owners along Kimo Way. This task includes outreach efforts and assistance to the District in negotiating easements including phone calls, written and electronic correspondence and in person meetings. We have assumed that District representatives will be present at meetings with the stakeholders as needed.

Task 5 – Preparation of Contract Documents. Preparation of the contract drawings including technical specifications and design drawings. We anticipate 13 drawings per the preliminary drawing list below.

PRELIMINARY LIST OF DRAWINGS
G001 - PROJECT TITLE, VICINITY MAP AND LOCATION - INDEX
G002 - ABBREVIATIONS, LEGENDS AND PIPING SYMBOLS
G003 - STANDARD ABBREVIATIONS
G004 - KEY MAP
C001 - TYPICAL CIVIL DETAILS
C002 - TYPICAL CIVIL DETAILS 2
C003 - POINT OF CONNECTIONS AND PRV STATION
C004 - TREE REMOVAL PLAN
C005 - NID CANAL CROSSING 1
C010 - PIPING PLAN 1
C011 - PIPING PLAN 2
C012 - PIPING PLAN 3
C013 - PIPING PLAN 4

The source of the funding for the project is unknown currently. We have excluded the front-end specifications which include the bid schedule, general and special conditions. Requirements for this portion of the specifications are dependent on the funding agency's requirements and should be completed prior to bidding once the funding agency/source is determined.

Task 6 – Project Management and Administration. Project management and administration includes monthly billing, monitoring of budgets and general administrative activities associated with the project.

Work to be completed on a time and expense basis not to exceed \$91,500 without prior written approval. See Fee estimate worksheet attached.

FEE ESTIMATE

Hydros Engineering Job#: CVPC21-001
Kenneth Loop Project - Design Phase

Task No.	DESCRIPTION	NOTES	Eng			HYDROS FEE	G&K SURVEY	GEOTECH	CADD	DIRECT EXP	TOTAL
			Princ Eng	Tech	Admin						
			\$ 200	\$ 100	\$ 65						
			HRS								
1	Topographic Survey of Alignment and Easements	(a)	6			\$ 1,200	\$ 12,100			\$	13,300
2	Geotech	(b)	16			\$ 3,200	\$ 19,219		\$ 3,500	\$	25,919
3	NID Coordination at Canal Crossing		12	8		\$ 3,200				\$	3,200
4	Stakeholder Outreach - Property Owners including Kimo Way HOA, Hamilton, Vout	(c)	24	6		\$ 5,400				\$	5,400
5	Prepare Contract Documents										
	a Technical Specifications		40	12	10	\$ 9,850				\$	9,850
	b Drawings - See drawing list		60	24		\$ 14,400		\$ 17,300	\$ 250	\$	31,950
6	Project Management and Administration		6		6	\$ 1,590			\$ 100	\$	1,690
Subtotal			164	50	16	\$ 38,840	\$ 12,100		\$ 3,850	\$	91,309

- Notes:**
- (a) Task budgets are estimated; line item budgets may be adjusted but overall project budget not to be exceed without prior written authorization.
 - (b) Geotechnical budget based on Option 1 in geotech proposal - assuming use of a backhoe and avoiding the need for a drilling contractor for subsurface evaluation. Direct cost of \$3,500 included for backhoe to dig test pits.
 - (c) Increased time for public outreach based preliminary based on preliminary input from stakeholders in the project area.

2024 RATE SCHEDULE (a)

Staff Rates

Principal Engineer	\$	200	hr
Snr. Engineer	\$	150	hr
Engineering Tech	\$	100	hr
Operations Consultant	\$	110	hr
Administration	\$	65	hr

Mileage (a)

Passenger vehicle \$ 0.85 mile

Mark-Up on sub-consultants and expenses @ 10%

Notes:

(a) Rates subject to 3% annual increase Jan. 1, 2025

GEOTECH SCOPE AND FEE

Auburn Office:
11521 Blocker Drive, Ste 110
Auburn, CA 95603
(530) 887-1494



West Sacramento (916) 375-8706
Fresno (559) 438-8411

File No. 4548.P
October 27, 2023

Gerry LaBudde, P.E.
Hydros Engineering
PO Box 81
Weimar, CA 95736

Subject: PROPOSAL FOR GEOTECHNICAL SERVICES
Christian Valley Park CSD Kenneth Loop Pipeline – NID Canal Crossing
Christian Valley, California

Dear Gerry,

Blackburn Consulting (Blackburn) presents this proposal to provide geotechnical services for the proposed trenchless crossing of Nevada Irrigation District's (NID) Combie Ophir Canal. The crossing is part of the proposed Kenneth Loop Pipeline Project for the Christian Valley Park CSD located in Christian Valley, California.

We understand the crossing will be constructed in general accordance with NID's Canal Utility Crossing standard plan SD26. The depth and type of trenchless crossing has not been determined at this time.

Below we present our Scope, Fee, and Schedule.

SCOPE

Task 1: Project Coordination, Review, and Site Visit

Blackburn will:

- Review the site topography and project requirements with you and a trenchless contractor to determine approximate depth and type of trenchless methods.
- Coordinate our subsurface exploration with you and Christian Valley Park CSD.
- Visit the site to mark the area for USA (Underground Service Alert) notification.
- Retain an underground utility locating service to check for potential utility conflicts at proposed exploration locations.
- If required, retain a drilling subcontractor and schedule the subsurface exploration.
- Review publicly available geologic and geotechnical data and aerial photos of the site.
- Review geologic maps of the site.

PROPOSAL FOR GEOTECHNICAL SERVICES

Christian Valley Park CSD Kenneth Loop Pipeline – NID Canal Crossing, Christian Valley, CA

October 27, 2023



We assume that the Christian Valley CSD will provide all required ROE and access to the exploration locations.

Task 2: Subsurface Exploration

Based on discussions with you and Bennett Trenchless one of the subsurface exploration plans presented below will be chosen.

Option 1- Test Pits

- Blackburn will log the soil and rock and collect samples in a total of two test pits. One test pit at the proposed entry pit and one test pit at the proposed exit pit.
- Hydros Engineering or the Christian Valley Park CSD will provide an operator and excavation equipment (backhoe or excavator with a minimum 24-inch bucket equipped with rock teeth).
- Test pits will be backfilled with excavated soil/rock tamped with the bucket.
- We assume test pits can be advanced to at least the proposed trenchless pipe invert elevation.

Option 2- Borings

- Blackburn will acquire a Placer County drilling permit.
- Blackburn will drill, log, and sample 2 borings. One near the entry pit and one near the exit pit.
- The borings will be drilled using a track mounted drill rig.
- The borings will be advanced to maximum depths 20 feet below the existing ground surface using solid flight augers and/or diamond core rock drilling.
- We will collect soil samples at 2.5 to 5-foot intervals using driven split spoon samplers. Blackburn will also collect bulk soil samples from the borings for laboratory testing.
- Our Engineer or Geologist will log the borings, direct the sampling operations, and deliver the samples to our West Sacramento laboratory for testing.
- Upon completion, we will backfill the borings with grout.
- Cuttings will be placed in drums and removed from the site.

Blackburn assumes the following:

- Site access (ROE) will be obtained by Christian Valley Park CSD.
- Our subsurface exploration can be conducted during normal daytime, weekday hours.
- We can perform our exploration continuously during a single mobilization.
- We will perform a maximum of 20 feet of diamond rock coring.
- Soil cuttings are non-hazardous and can be spread on the ground adjacent to the borings.

If these assumptions are incorrect, we can provide estimates of the additional fees to include the necessary services to address the appropriate item(s).

Task 3: Laboratory Testing

Blackburn will perform the following tests on selected samples of the materials encountered:

- Moisture/density tests to estimate soil consistency.
- Grain Size Analysis to classify the soil for soil classification.
- Atterberg Limits to classify the soil.
- Shear strength tests (TXUU or direct Shear) to estimate soil strength.
- Soil corrosivity (pH, resistivity, sulfates, chlorides) for corrosion potential.

Task 4 – Geotechnical Analysis

Blackburn will analyze the field, lab, and published data and provide:

- Bottom support and lateral capacity for trenchless entry and exit pits.
- Shoring considerations.
- Dewatering considerations.

Task 5: Geotechnical Report

Blackburn will prepare a Geotechnical Report for the Project that contains the following:

- Scope of services.
- Project and site description.
- Subsurface exploration program.
- Subsurface conditions.
- Trenchless entry and exit pit conclusions and recommendations including:
 - Bottom support.
 - Thrust wall design.
 - Excavation and shoring considerations (preliminary Cal OSHA soil types), including earth pressures (equivalent fluid weights) for shoring design.
 - Dewatering considerations
 - Pit backfill.
- Soil corrosion potential.
- Potential construction difficulties due to soil conditions.
- Limitations and risk mitigation.
- Vicinity map.
- Site plan showing approximate boring locations.
- Boring logs.
- Laboratory test results.

PROPOSAL FOR GEOTECHNICAL SERVICES

Christian Valley Park CSD Kenneth Loop Pipeline – NID Canal Crossing, Christian Valley, CA

October 27, 2023



Our scope of services does not include evaluation of soil liquefaction or seismic settlement potential or their potential impacts on the trenchless crossing improvements. We can provide an additional scope and fee to evaluate these if desired, which might require deeper borings, additional laboratory testing, and additional analysis.

FEE

We will provide our services on a time and expenses basis in accordance with the attached 2024 schedule of fees. We will complete Tasks 1 through 5 for:

- Task 2 Option 1 total fee of \$17,472
Or
- Task 2 Option 2 total fee of \$27,470

Our estimated fees assumes the Task 2 option will be selected prior to mobilizing to the site. We will not exceed our estimated fee without a change in scope and your written authorization.

SCHEDULE

We anticipate completing our work in the late Spring or early Summer of 2024. We estimate coordinating our field exploration will take three to four weeks. We will submit the Geotechnical Report three to four weeks thereafter.

We look forward to working with you. Please call if you have questions or require additional information.

Sincerely,

BLACKBURN CONSULTING

Rob Pickard, PG, CEG
Senior Project Manager

Haze M. Rodgers, P.E., G.E.
Geotechnical Director

Attached: Fee Itemization, 2024 Fee Schedule

Auburn Office:
 11521 Blocker Drive, Suite 110
 Auburn, CA 95603
 (530) 887-1494



Fresno Office: (559) 438-8411
West Sacramento Office: (916) 375-8706

Fee Itemization for Geotechnical Services
Christian Valley Park CSD Kenneth Loop Pipeline - NID Canal Crossing
 Christian Valley, CA

October 26, 2023

File No. 4548.P

Task	Item	Quantity	Rate	Unit	Mult.	Item cost	Task Subtotal
Task 1: Project Coordination, Review, and Site Visit							
	Principal	1.	330	hour	1.	\$ 330	
	Sr. Project Manager	4.	285	hour	1.	\$ 1,140	
	Project Engineer/Geologist	10.	210	hour	1.	\$ 2,100	
	Project Assistant	1.	145	hour	1.	\$ 145	
	Utility Locator	1.	1,000	Lump	1.2	\$ 1,200	
	Mileage	20.	1.00	mile	1.	\$ 20	
							\$ 4,935
Task 2: Option 1 - Test Pits							
	Sr. Project Manager	1.	285	hour	1.	\$ 285	
	Project Engineer/Geologist	6.	210	hour	1.	\$ 1,260	
	Mileage	20.	1.00	mile	1.	\$ 20	
							\$ 1,565
Task 2: Option 2 - Borings							
	Sr. Project Manager	1.	285	hour	1.	\$ 285	
	Project Engineer/Geologist	10.	210	hour	1.	\$ 2,100	
	Mileage	20.	1.00	mile	1.	\$ 20	
	Placer County Boring Permit	2.	566.00	each	1.2	\$ 1,358	
	Drilling Contractor	1.	6,500	each	1.2	\$ 7,800	
							\$ 11,563
Task 3: Laboratory Testing							
	Sr. Project Manager	1.	285	hour	1.	\$ 285	
	Project Engineer/Geologist	1.	210	hour	1.	\$ 210	
	Lab Manager	1.	195	hour	1.	\$ 195	
	Mileage	80.	1.00	mile	1.	\$ 80	
	Moisture/Density	4.	106	test	1.	\$ 424	
	Sieve Analysis	1.	240	test	1.	\$ 240	
	Plasticity Index	1.	343	test	1.	\$ 343	
	TXUU	3.	242	test	1.	\$ 726	
	Corrosion Package	1.	153	test	1.2	\$ 184	
							\$ 2,687
Task 4: Geotechnical Analysis							
	Principal	2.	330	hour	1.	\$ 660	
	Sr. Project Manager	4.	285	hour	1.	\$ 1,140	
	Project Engineer/Geologist	6.	210	hour	1.	\$ 1,260	
							\$ 3,060

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Fee Itemization for Geotechnical Services
Christian Valley Park CSD Kenneth Loop Pipeline - NID Canal Crossing
 Christian Valley, CA

October 26, 2023

File No. 4548.P

Task	Item	Quantity	Rate	Unit	Mult.	Item cost	Task Subtotal
Task 5: Geotechnical Report (Draft and Final)							
	Principal	2.	330	hour	1.	\$ 660	
	Sr. Project Manager	4.	285	hour	1.	\$ 1,140	
	Project Engineer/Geologist	12.	210	hour	1.	\$ 2,520	
	Drafting	4.	190	hour	1.	\$ 760	
	Project Assistant	1.	145	hour	1.	\$ 145	
							\$ 5,225
							Total with Task 2 Option 1 \$ 17,472
							Total with Task 2 Option 2 \$ 27,470

Auburn Main Office:
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West Sacramento Office:
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Fresno Office:
 4186 W. Swift Avenue, Suite 107
 Fresno, CA 93722
 (559) 438-8411, Alt. (559) 276-4246

2024 SCHEDULE OF FEES & SERVICES

Geotechnical ▪ Geo-Environmental ▪ Construction Services ▪ Forensics ▪ Laboratory

PROFESSIONAL HOURLY RATES:

Project Engineer / Geologist I	\$195	CAD/GIS	\$190
Project Engineer / Geologist II	\$210	Lab Aide	\$130
Senior Engineer / Geologist	\$230	Lab Manager	\$195
Project Manager	\$255	Field Services Manager	\$220
Construction Manager	\$260	Clerical	\$115
Senior Project Manager	\$285	Project Assistant	\$145
Principal / Senior Consultant	\$330	Administrative	\$175
Senior Principal	\$375	Senior Administrative	\$195

SPECIAL INSPECTION PERSONNEL HOURLY RATES:

	Non-Prevailing Wage	Prevailing Wage
Group 1 <i>ASNT Level II-III, DSA Shotcrete, Lead Inspector, NICET Level IV</i>	\$170	\$225
Group 2 <i>AWS-CWI, ICC Certified Structural Inspector, NICET Level III, Building/Construction Inspector, Shear Wall/Floor System Inspector</i>	\$170	\$220
Group 3 <i>Soils/Asphalt, Earthwork Grading, Excavation and Backfill, NICET Level II</i>	\$150	\$205

MINIMUM BASIC CHARGES:

Outside Equipment & Services	Cost plus 20%
Vehicle Charge	\$8.00 per hour or \$1.00 per mile
Per Diem	Location specific, minimum \$185 per night
Technician Services	Charge includes time from office and return to office, minimum charge - 4 hours
Overtime	Over 8 hours: 1.5 x Hourly Rate Before 7:00am or after 4:00pm: 1.5 x Hourly Rate Rush Charge (less than 24 hours notice): 1.5 x Hourly Rate Saturday: 1.5 x Hourly Rate (minimum: 4 hr. increments) Sunday & Holiday: 2.0 x Hourly Rate (minimum: 4 hr increments)

EQUIPMENT: (personnel not included)

Hand Sampling Equipment	\$348 / Day	Double Ring Infiltrometer Equipment	\$386 / Day
Nuclear Moisture/Density Testing	\$23 / Test	Level Survey Equipment	\$330 / Day
6" Sand Cone Testing	\$60 / Test	Pachometer	\$168 / Day
12" Sand Cone Testing	\$242 / Test	Rock Point Load Test Equipment	\$168 / Day
Coring Bit Charge	\$60 / Core	Roto Hammer	\$163 / Day
Coring Machine	\$336 / Day	Schmidt Hammer	\$138 / Day
Dynamic Cone Penetrometer	\$348 / Day	Torque Wrench	\$94 / Day
Electrical Resistivity Equipment	\$318 / Day	Seismic Refraction: 12 / 24 Channel	\$597 / Day
Generator	\$94 / Day	MASW Survey Equipment	\$597 / Day
Groundwater Level Indicator	\$88 / Day	Traffic Control/Safety	\$386 / Day
Inclinometer Survey Equipment	\$809 / Day	Concrete Vapor Emission Test Kit	\$50 / Ea
pH Test Strip Package	\$74 / Ea	Pull Testing Equipment	\$212 / Day

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www.blackburnconsulting.com

2024 LABORATORY FEE SCHEDULE

Geotechnical ▪ Geo-Environmental ▪ Construction Services ▪ Forensics ▪ Laboratory

Page 1 of 2

SOIL CLASSIFICATION		
#200 Sieve Wash	ASTM D1140	\$156
Sieve Analysis to #200	ASTM D6913, CAL 202	\$240
Standard Hydrometer with Sieve Analysis	ASTM D422	\$472
Plasticity Index	ASTM D4318	\$343
Specific Gravity - Soils	AASHTO T100	\$149
Organic Matter	ASTM D2974	\$31
MOISTURE / DENSITY		
Moisture Content	ASTM D2216, CT 226, AASHTO T329	\$56
Moisture/Density		\$106
SOIL COMPACTION		
Standard Proctor (4" or 6" mold)	ASTM D698	\$430
Modified Proctor (4" or 6" mold)	ASTM D1557	\$430
California Impact	CAL 216	\$430
Check Point (Standard or Modified)		\$199
VOLUME CHANGE		
One-Dimensional Consolidation (6 load increments, includes 2 time rate curves and 2 rebound decrements)	ASTM D2435	\$679
Additional Load or Rebound Decrement (each)		\$47
Additional Time Rate Curves (each)		\$147
Expansion Index	ASTM D4829	\$412
One-Dimensional Settlement Swell	ASTM D4546	\$304
STRENGTH		
Unconfined Compression	ASTM D2166	\$199
Compression, Rock <i>Prep & Photos included</i>	ASTM D7012	\$231
Rock Point Load	ASTM D5731	\$94
California Bearing Ratio (CBR), with curve	ASTM D1883	\$1,057
California Bearing Ratio (CBR), without curve	ASTM D1883	\$634
Resistance Value	CAL 301	\$467
Direct Shear: (per point)		
Undisturbed	ASTM D3080	\$267
Remolded	ASTM D3080	\$343
Triaxial Compression: (per point) Photos of failure upon request		
Undrained, Unconsolidated w/out Pore Pressure	ASTM D2850	\$242
Consolidated, Undrained w/ Pore Pressure Measurements	ASTM D4767	\$703
Consolidated, Drained		\$1,006
Consolidated, Undrained, no Pore Pressure Measurements		\$398
Specimen Remolding		\$156

* Client requests for rush testing require pre-approval and 20% surcharge.

CORROSIVITY ANALYSIS

Corrosion Analysis Package	CAL 643, 417, 422	\$436
<i>Includes Soil Resistivity, Soil pH, Sulfates / Chlorides. Minimum size is 1,000 grams</i>		
pH	CTM643	\$56
Resistivity	CTM643	\$182

PERMEABILITY

Flex-wall Permeability	ASTM D5084	
<i>Either Constant head or Falling Head / rising Tail Water. Method depends on soil type</i>		
Each Additional Effective Stress		\$156
Specimen Remolding		\$153

TREATED SOIL TESTS

% Lime for Stabilization - per point (%)	ASTM D6276	\$173
pH of Soil	CTM643	\$56
Modified Proctor	ASTM D1557	\$511
Unconfined Compression Test	ASTM D5102	\$286
One Dimensional Swell	ASTM D4546	\$286

AGGREGATES

Bulk Specific Gravity - Course & Fine Aggregate	ASTM C127 & 128, CAL 206, 207	\$149
Coarse Durability	CAL 229	\$254
Fine Durability	CAL 229	\$254
Sand Equivalent	CT 217, ASTM D2419, AASHTO T176	\$178
Cleanness Value	CAL 227	\$240
Moisture Content	CAL 226/370	\$138
Percent of Crushed Particles (per size fraction)	CAL 205, AASHTO T335	\$225
Fine Aggregate Angularity	AASHTO T304, Method A	\$225
Flat and Elongated Particles (per size)	AASHTO D 4791	\$225
Combined Grading 1" through no. 200	CAL 202/AASHTO T27	\$239
Bin Grading (First 2 Bins)	CAL 201/202	\$239
Each Bin Thereafter		\$94
LP-9 (RAP) Burn	LP-9, CT382	\$149
LA Rattler	CAL 211, AASHTO T96	\$464
Soundness of Aggregates by Sodium Sulfate		\$283

ASPHALT

Bulk Specific Gravity - Compacted Hot Mix Asphalt	CAL 308, AASHTO T275	\$74
Theoretical Max Specific Gravity (Rice)	CAL 309, AASHTO T209	\$262
LTMD (Set of 5)	CAL 375	\$516

Binder Content

Ignition Oven Correction Factor	CAL 382, AASHTO T308	\$442
Ignition Oven	CAL 382, AASHTO T308	\$262
Solvent	AASHTO T164	\$330
Stability (Set of 3)	CAL 366	\$460

Void Content

With Stability and Rice	CAL 367	\$50
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SuperPave Vendor Tests**

Hamburg Wheel Track**	AASHTO T324	\$2,200
Tensile Strength Ratio (TSR) Moisture Susceptibility**	AASHTO T283	\$2,200
Superpave Bulk specific gravity (Air Voids)**	AASHTO T312/T275/T269	\$825

CONCRETE & MASONRY

Concrete Compression Test 6" x 12" or 4" x 8"	ASTM C39	\$50
Masonry or Grout Compression		\$72
Compression Test of Cored Concrete Spec. (per core)		\$163
Compression Test of Shotcrete Cores (per core)		\$204

Other Tests Quoted Upon Request

* Client requests for rush testing require pre-approval and 20% surcharge.

** Vendor tests subject to 20% markup

SURVEY SCOPE OF WORK AND FEE

Friday, November 10, 2023



Auburn - Oakdale - San Jose

AGREEMENT PROPOSAL FOR ENGINEERING SERVICES

CLIENT

Christian Valley Park Community Service District
c/o
Gerry LaBudde, PE
Hydros Engineering, Inc.
530/637-4441 (o)
530/906-5181 (m)

CONSULTANT

Patrick R. Druding, PLS # 8933
Giuliani & Kull – Auburn, Inc.
Post Box 786
Auburn, CA 95604
Office: (530) 885-5107
Mobile: (530) 802-3277
pdruding@gmail.com

This agreement entered into in Auburn, California hereby binds the Client and Consultant to the following Scope of Services and Compensation:

PROJECT DESCRIPTION

The proposed project is a corridor boundary and topographic survey for the design of a waterline extension generally along Kenneth Way. The area to be surveyed is defined in the attached image made a part of this contract.

SCOPE OF SERVICES

The following scope of services is offered for the preparation of the engineering work effort:

Task 1 – Boundary and Topographic Survey for Waterline Design Purposes

Giuliani & Kull-Auburn, Inc. will consult a field survey to locate the alignment of roughly 4,000 LF of a proposed water pipeline alignment as shown on the attached JPG. The mapping width will be a minimum of 200 feet wide. The topographic information gained shall include an existing canal,

Friday, November 10, 2023

structures, driveway encroachments, paved areas, road connections, significant trees, drainage, visible utilities and record easement data. The survey will be conducted on State Plane Coordinates and NAVD88. The information will be compiled with the boundary information and drawn to accurate scale. The resultant document will be suitable as a base sheet for development plans for the site and be available in CAD and PDF formats.

Task 2 – Establishing Required Right of Way

Areas identified as insufficient of Right of Way will be located based on record drawings or field surveys. A Plat and Legal Descriptions (5) for each area will be created Giuliani & Kull-Auburn, Inc. will work with consultants to assure property recording of easements. A final document summarizing a complete Right of Way will be produced for use in the development of construction documents.

SERVICES NOT INCLUDED

The following services are specifically not included as a part of the consultants work effort under this contract:

- Line Staking
- Record of Survey

The above listing is not intended to be exhaustive and shall not be construed to include any work as offered under this proposal as specifically identified in the Scope of Services.

CLIENT PROVIDED DATA

The following data information and materials are to be provided by the Client:

- Site Plan
- Title Report
- Site Access

COST OF SERVICES

The professional services described in the Scope of Services are offered for the following fees:

Task 1 – Boundary and Topographic Survey	\$6,800
Task 2 – Establish Required Rights of Way	\$4,200

TERMS

The services described herein will be provided in accordance with the attached Standard Provisions of Agreement. Invoices will be payable within 30 days of the date of invoice. Extra work items or other additional services (beyond those described herein) will be provided in accordance with our standard schedule of hourly rates in effect at the time the work is performed.

If this proposal is acceptable, please sign one copy. A returned will be our authorization to proceed.

Friday, November 10, 2023

Respectfully Submitted,
Giuliani & Kull-Auburn, Inc.

Accepted,
Christian Valley Park Community Service District

Patrick R. Druding, PLS

By:
It's:

Date:



Auburn - Oakdale - San Jose

EXHIBIT "B"

SCHEDULE OF HOURLY RATES

Effective 1-1-23

The following rates are applicable to hourly rate contracts, extra work items, and per-diem accounts:

<u>Classification</u>	<u>Hourly Rate</u>
Principal Engineer	\$ 170.00
Senior Engineer	155.00
Senior Land Surveyor	145.00
Associate Engineer	115.00
Engineering Technician	75.00
Senior Drafter	100.00
Drafter	75.00
Survey Technician	110.00
Field Crew / GPS Survey	225.00
Clerical	65.00
Expert Witness	\$ 350.00

Reproductions, copying, record maps, filing fees, and additional outside services will be billed at cost plus fifteen (15) percent. Field crew per diem cost is \$175 when mileage is in excess of 100 miles from office of origin. Vehicle mileage charge \$0.59/mile.