

Exhibit A

Nevada County Sanitation District No. 1
 Fee Proposal: Penn Valley Pipeline & Pump Station ESDC

HydroScience Engineers, Inc.
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Bill Cindy Mike Eric Mark Blaine
 Slenter Preuss Marandi Jones Dudley or John

Task Description	Principal	Engineer IX	Engineer VIII	Engineer VI	Engineer IV	Engineer I	Admin. II	HydroScience Hours	HydroScience Fee	Travel, Repro., and ODCs	P&P Fee	P&P ODC's	VE Solutions	Direct Charges Markup (excl P&P)	Expense Subtotal	Total Fee	
2016 Billing Rates	\$225	\$210	\$200	\$175	\$155	\$115	\$65							10%			
TASK - Engineering Services During Construction																	
Project Management & Coordination	4	12		12			12	40	\$6,300		\$8,936			\$0	\$8,936	\$15,236	
Pre-construction meeting & field walk		8		8				24	\$4,680	\$215				\$22	\$237	\$4,917	
Biweekly progress meetings (20 ea)		20		5	15			40	\$7,825		\$3,120			\$0	\$3,120	\$10,945	
Construction meetings & field visits (4 each)		16		4	32	8		60	\$11,000	\$860	\$3,120	\$1,456		\$86	\$5,522	\$16,522	
Punchlist development & verification visits (2 total)		8			12	8		28	\$5,020	\$430	\$1,560	\$248		\$43	\$2,281	\$7,301	
Submittal review		17		30	30	125	60	0	262	\$41,095	\$0	\$11,412	\$3,393	\$500	\$50	\$15,355	\$56,450
Civil (40)		15			20		45	80	\$11,825					\$0	\$0	\$11,825	
Civil Resubmittals (15)		2			10		15	27	\$3,895					\$0	\$0	\$3,895	
Structural (3)								0	\$0				\$500	\$50	\$550	\$550	
Electrical (33 including resubmittals)				30		125		155	\$25,375					\$0	\$0	\$25,375	
PPE Civil (4)								0	\$0		\$2,340			\$0	\$2,340	\$2,340	
PPE Process (6)								0	\$0		\$3,420			\$0	\$3,420	\$3,420	
PPE Structural (4)								0	\$0		\$3,848			\$0	\$3,848	\$3,848	
PPE Resubmittals (4)								0	\$0		\$1,804			\$0	\$1,804	\$1,804	
PPE PDA Sub (6)								0	\$0			\$3,393		\$0	\$3,393	\$3,393	
RFI's	0	20	10	20	20	20	20	0	90	\$15,100	\$0	\$8,018	\$1,380	\$500	\$50	\$9,948	\$25,048
Civil (40)		20			20		20	60	\$10,000					\$0	\$0	\$10,000	
Structural (3)								0	\$0				\$500	\$50	\$550	\$550	
Electrical (20)			10		20			30	\$5,100					\$0	\$0	\$5,100	
PPE (20)								0	\$0		\$8,018			\$0	\$8,018	\$8,018	
PPE PDA Sub (6)								0	\$0			\$1,380		\$0	\$1,380	\$1,380	
Change order review	0	2	0	5	3	0	0	10	\$1,760	\$0	\$1,830	\$460	\$0	\$0	\$2,290	\$4,050	
Change order review (5 ea)		2			5	3		10	\$1,760					\$0	\$0	\$1,760	
PPE Change order review (2 ea)								0	\$0		\$1,830	\$460		\$0	\$2,290	\$2,290	
Record drawing preparation		8			16		40	2	66	\$9,210	\$500			\$50	\$550	\$9,760	
TOTAL (NTE, T&M)	4	111	57	150	164	120	14	620	\$101,990	\$2,005	\$37,996	\$6,937	\$1,000	\$301	\$48,239	\$150,229	



Date: July 28, 2016
 Client: Nevada County SD 1
 Contact: Brad Torres
 Project: Penn Valley Dual Sewer Force Main

HydroScience Engineers, Inc.
 10569 Old Placerville Road
 Sacramento, CA 95827
 T: 916.364.1490
 F: 916.364.1491

CONTRACT AMENDMENT REQUEST FOR ADDITIONAL ENGINEERING SERVICES

Original Professional Services Agreement Date: Pending

Amendment Request No.: 1

Amendment Subject: Conformed Contract Document Preparation

Amendment Description: As part of the engineering services during construction contract currently pending board approval, Coastland Engineers has requested HydroScience add preparation of a conformed set of plans and specifications serving to incorporate edits made to the bid set documents as outlined in Addenda 1 and 2 issued during bidding.

Scope of Services: Prepare conformed plans and specifications per Contract Addendum No. 1 issued on June 24, 2016 and No. 2 issued on June 30, 2016.

Deliverables: Conformed plans and specs (electronic: full- and half-size pdfs)

Fee Adjustment: The increase in cost for these services is \$5,530, broken down as shown in Table 1, below.

Table 1 – CA #1 Fee Proposal

Nevada County SD 1											
Penn Valley Dual Sewer Forcemain Project											
Contract Amendment No. 1 - Conformed Contract Document Preparation											7/28/2016
Task Description	Project Manager	Engineer VI	Engineer IV - Electrical	Engineer II - Design Support	Engineer I	Admin. II	HSE Hours	HSE Fee	Subconsultant - PPE	Subconsultant Subtotal	Total Fee
2016 Billing Rates	\$225	\$175	\$155	\$130	\$115	\$65					
Plans		1	4		8		13	\$1,715	\$200	\$200	\$1,915
Specs		1	2	2		2	7	\$875		\$0	\$875
Printing (pdf)		8			2	2	12	\$1,760	\$100	\$100	\$1,860
Checking	2	1	1				4	\$780	\$100	\$100	\$880
TOTAL	2	11	7	2	10	4	36	\$5,130	\$400	\$400	\$5,530

These additional services will be billed on a not-to-exceed (NTE) basis.

Exhibit A

Upon approval of this amendment, the contract would be amended as shown in Table 2, below.

Table 2 – Adjusted Contract Amounts

Description	Fee
Contract Amendment No. 1 – Conformed CD Preparation	\$ 5,530
ESDC Original Contract	\$150,300
Total Adjusted Budget (Original Contract + CA #1)	\$155,830

Schedule Adjustment: The modified scope would have no impact on the existing contract schedule. Conformed documents to be electronically transmitted to Coastland and County within two weeks of the contract and amendment notice to proceed.

Sincerely,
HYDROSCIENCE ENGINEERS, INC.



Cindy Preuss, P.E.
Project Manager

Amendment Authorization Request:

This will confirm your authorization for HydroScience to undertake the added (or changed) engineering services described above pursuant to our original Contract Agreement.

Please confirm your authorization by signing in the space provided and emailing a copy back to us as soon as practical in order they we may proceed with these additional engineering services.

Approved: _____ Date: _____

By: _____ Title: _____

Date: August 9, 2016
Client: Nevada County SD 1
Contact: Brad Torres
Project: Penn Valley Dual Sewer Force Main

HydroScience Engineers, Inc.
10569 Old Placerville Road
Sacramento, CA 95827
T: 916.364.1490
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CONTRACT AMENDMENT REQUEST FOR ADDITIONAL ENGINEERING SERVICES

Original Professional Services Agreement Date: Pending

Amendment Request No.: 2

Amendment Subject: Engineering services during construction for additive bid alternatives

Amendment Description: As part of the engineering services during construction (ESDC) contract currently pending board approval, Coastland Engineers has requested HydroScience provide additional ESDC associated with the following additive bid alternatives:

- Additive Bid Alternate A – Lift Station Odor Control Unit,
- Additive Bid Alternate B – Lake Wildwood Odor Control Unit,
- Additive Bid Alternate C – Lake Wildwood Grit Removal Unit,
- Additive Bid Alternate D – Penn Valley Collection System Improvements, and
- Additive Bid Alternate F – Lake Wildwood Piping Improvements

The anticipated additional ESDC effort associated with the additive bid alternatives will include:

- Submittal review (up to 14 for PPE and 11 for HSE, including resubmittals)
- Request for information (up to 10 for PPE and 10 for HSE)
- Change order review (up to 2)
- Additional invoicing and coordination with Coastland (HSE/PPE)
- Pre-construction meeting attendance (PPE)
- Additional participation in the final inspection walkthrough (PPE)
- Bi-weekly progress conference calls (up to 4 additional 2-hour calls each for HSE and PPE)
- Construction site visit (up to 2 additional visits for HSE and 1 additional visit for PPE)
- Preparation of record drawings

Assumptions:

- Submittals and RFI will be transmitted electronically in PDF file format. Prior to submittal to HydroScience, the District's construction manager shall perform an initial review of the submittal for completeness and return obviously incomplete submittals to the Contractor.
- Agendas and minutes for the meetings and summaries of the site visits will be prepared by the District or their program manager.
- The record drawings will be based on the Contractor's red line markups during the construction.

Deliverables: Submittal review response forms; RFI response forms; draft change order request review comments and record drawings associated with the Additive Bid Alternatives that will be included in construction.

Exhibit A

Fee Adjustment: The increase in cost for these services is \$48,500, broken down as follows:

HSE	\$21,670
Reimbursables	\$830
PPE (0% markup)	\$26,000

These additional services will be billed on a not-to-exceed (NTE) basis.

Upon approval of this amendment, the contract would be amended as shown in Table 2, below.

Table 2 – Adjusted Contract Amounts

Description	Fee
Contract Amendment No. 2 – Conformed CD Preparation	\$48,500
ESDC Original Contract + CA #1	\$155,830
Total Adjusted Budget (Original Contract + CA #1 + CA#2)	\$204,330

Schedule Adjustment: The modified scope would have no impact on the existing contract schedule assuming construction work associated with the awarded bid alternates will be done concurrently with other (base bid) work items.

Sincerely,
HYDROSCIENCE ENGINEERS, INC.



Cindy Preuss, P.E.
Project Manager

Attachment: PPE Proposal dated August 5, 2016

Amendment Authorization Request:

This will confirm your authorization for HydroScience to undertake the added (or changed) engineering services described above pursuant to our original Contract Agreement.

Please confirm your authorization by signing in the space provided and emailing a copy back to us as soon as practical in order they we may proceed with these additional engineering services.

Approved: _____ Date: _____

By: _____ Title: _____