

RESOLUTION NO. SD16-014
OF THE BOARD OF DIRECTORS OF
NEVADA COUNTY SANITATION DISTRICT NO. 1

**RESOLUTION APPROVING AMMENDMENT NO. 1 TO THE
CONTRACT WITH HYDROSCIENCE ENGINEERS, INC. FOR
ENGINEERING SERVICES DURING CONSTRUCTION FOR
THE CONNECTION OF THE PENN VALLEY SEWER SYSTEM
TO THE LAKE WILDWOOD WASTEWATER TREATMENT
PLANT IMPROVEMENT PROJECT – DISTRICT IV**

WHEREAS, on April 28, 2015, the Board of Directors approved the contract for final design services for the Connection of the Penn Valley Sewer System to the Lake Wildwood Wastewater Treatment Plant Improvement Project (SD15-005); and

WHEREAS, the scope of that contract has been completed by HydroScience Engineers, Inc.; and

WHEREAS, the scope and cost of Engineering Services during Construction has been identified by HydroScience Engineers, Inc.; and

WHEREAS, on August 16, 2016, the Board approved the award of the construction contract for the Penn Valley Pipeline Project; and

WHEREAS, this contract amendment will provide an additional scope of work to provide Engineering Services during construction which were included in the RFP issued on November 19, 2012 titled "Design Services for the Connection of the Penn Valley Sewer System to the Lake Wildwood Wastewater Treatment Plant Improvement Project"; and

WHEREAS, the cost of Engineering Services during construction is \$204,330; and

WHEREAS, there are sufficient funds available to fund this contract in budget code 4772-91005-709-2000/540710.

NOW, THEREFORE, BE IT HEREBY RESOLVED that the Nevada County Sanitation District No. 1 Board of Directors:

1. Amends the Contract with HydroScience Engineers, Inc. for Engineering Services During Construction for the Connection of the Penn Valley Sewer System to the Lake Wildwood Wastewater Treatment Plant Improvement Project. The contract term shall be extended to April 30, 2018, and the Maximum Contract Price shall be increased by \$204,330.00 for a total contract price of \$807,761.00.
2. Authorizes the Chair of the Board of Directors to execute on behalf of Nevada County Sanitation District No. 1 the agreement between the Sanitation District and HydroScience Engineers, Inc.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Nevada County Sanitation District No. 1, held on the 13th day of September, 2016, by the following vote:

Ayes: Directors Nathan H. Beason, Edward Scofield, Dan Miller, Hank Weston and Richard Anderson.

Noes: None.

Absent: None.

Abstain: None.

ATTEST:

JULIE PATTERSON HUNTER
Clerk of the Board of Directors

By:  _____

 _____
Dan Miller, Chair

9/13/2016 cc: NCSD#1*
AC*(hold)

9/23/2016 cc: NCSD#1*
AC*(release)
HSE Inc

**AMENDMENT NO. 1 TO CONTRACT
WITH HYDROSCIENCE ENGINEERS, INC.**

THIS AMENDMENT is executed this 13th day of September 2016, by and between HYDROSCIENCE ENGINEERS, INC. and NEVADA COUNTY SANITATION DISTRICT NO. 1. Said Amendment will amend the prior agreement between the parties entitled Final Design of the Penn Valley Pipeline Project approved on April 28, 2015.

WHEREAS, the parties desire to amend the agreement to provide for Engineering Services during Construction by increasing the Maximum Contract Price and the Contract Termination Date.

NOW, THEREFORE, the parties hereto agree as follows:

1. That the Maximum Contract Price set forth in §2 is increased by \$204,330.00 for a total Contract Price of \$807,761.00.
2. That the Contract Termination Date set forth in §3 is extended to April 30, 2018.
3. This amendment represents an addition to the contract scope of work to provide engineering services during construction and a not to exceed price as shown in Exhibit A.
4. That in all other respects, the prior agreement of the parties shall remain in full force and effect except as amended herein.

APPROVED AS TO FORM:
COUNTY COUNSEL

By: 

NEVADA COUNTY SANITATION DISTRICT NO. 1

By: 
Honorable Dan Miller
Chair of the Board of Directors

ATTEST:

By: 
Julie Patterson Hunter
Clerk of the Board of Directors

CONTRACTOR:


By: 
William J. Skenter
Vice President

EXHIBIT A

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

HydroScience Engineers, Inc.
#####

Bill Cindy Mike Eric Mark Blaine
Slenter Preuss Marandi Jones Dudley or John

Task Description	2016 Billing Rates										HydroScience Fee	Travel, Repr., and ODCs	P&P Fee	P&P ODC's	VE Solutions	Direct Charges Markup (excl P&P)	Expense Subtotal	Total Fee		
	Principal \$225	Engineer IX \$210	Engineer VIII \$200	Engineer VI \$175	Engineer IV \$155	Engineer I \$115	Admin. II \$65	HydroScience Hours	HydroScience Fee	Travel, Repr., and ODCs									P&P Fee	P&P ODC's
TASK - Engineering Services During Construction																				
Project Management & Coordination	4	12	8	12							12	40	\$6,300		\$8,936		\$0	\$8,936	\$15,236	
Pre-construction meeting & field walk		8	8	8								24	\$4,680	\$215		\$22	\$22	\$4,917		
Biweekly progress meetings (20 ea)		20	5	15							40	60	\$7,825		\$3,120	\$0	\$3,120	\$10,945		
Construction meetings & field visits (4 each)		16	4	32	8						28	28	\$11,000	\$860	\$3,120	\$86	\$5,522	\$16,522		
Punchlist development & verification visits (2 total)		8		8							8	8	\$5,020	\$430	\$1,560	\$43	\$2,281	\$7,301		
Submittal review		17	30	30	125	60	0	262			0	262	\$41,095	\$0	\$11,412	\$50	\$15,355	\$56,450		
Civil (40)		15		20		45		80			80	80	\$11,825					\$11,825		
Civil Resubmittals (15)		2		10		15		27			27	27	\$3,895					\$3,895		
Structural (3)								0			0	0	\$0					\$550		
Electrical (33 including resubmittals)								155			155	155	\$25,375					\$25,375		
PPE Civil (4)								0			0	0	\$0		\$2,340		\$0	\$2,340		
PPE Process (6)								0			0	0	\$0		\$3,420		\$0	\$3,420		
PPE Structural (4)								0			0	0	\$0		\$3,848		\$0	\$3,848		
PPE Resubmittals (4)								0			0	0	\$0		\$1,804		\$0	\$1,804		
PPE PDA Sub (6)								0			0	0	\$0		\$3,393		\$0	\$3,393		
RFI's																				
Civil (40)	0	20	10	20	20	20	0	90			0	90	\$15,100	\$0	\$8,018	\$50	\$9,948	\$25,048		
Structural (3)		20		20		20		60			60	60	\$10,000					\$10,000		
Electrical (20)								0			0	0	\$0					\$550		
PPE (20)								30			30	30	\$5,100					\$5,100		
PPE PDA Sub (6)								0			0	0	\$0		\$8,018		\$0	\$8,018		
Change order review																				
Change order review (5 ea)	0	2	0	5	3	0	0	10			0	10	\$1,760	\$0	\$1,830	\$0	\$2,290	\$4,050		
PPE Change order review (2 ea)		2		5	3			10			10	10	\$1,760					\$1,760		
Record drawing preparation																				
Record drawing preparation		8		16		40	2	66			2	66	\$9,210	\$500	\$1,830	\$50	\$2,290	\$9,760		
TOTAL (NTE, T&M)	4	111	57	150	164	120	14	620			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
F. 916.364.1491

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: _____