

**HIGHLINE WATER DISTRICT
KING COUNTY, WASHINGTON**

RESOLUTION 17-1-18B

RESOLUTION AUTHORIZING AMENDMENT #1 TO CONTRACT #16-60-09 WITH RH2 ENGINEERING, INC. FOR PHASE 2 DESIGN, PERMITTING ASSISTANCE AND SERVICES DURING BIDDING RELATING TO PROJECT 16-2 PUMP STATION NO. 8 (CRESTVIEW)

WHEREAS, by passage of Resolution 16-3-2C, the Board of Commissioners authorized Contract #16-60-09 with RH2 Engineering, Inc. for the design of Project 16-2 Pump Station No. 8 (Crestview); and

WHEREAS, the District requested RH2, Engineering Inc. submit a Scope of Work and Fee Estimate proposal for Phase 2 (referenced as Attachment-1 and incorporated herein). The tasks include: (1) Project Management Services; (2) Permitting Assistance for Pump Station No. 8 and Water Main; (3) Prepare Predesign/Department of Health Project Report; (4) Pump Station No. 8 Design; (5) Services During Bidding; (6) District SCADA Evaluation for the Integration of Pump Station No. 8; and (7) Additional Services Requested by the District; and

WHEREAS, the General Manager and District Engineer have reviewed the 1/03/17 Scope of Work and Fee Estimate, submitted by RH2 Engineering, Inc. for Phase 2 and recommend approval of this resolution.

NOW, THEREFORE, BE IT RESOLVED:

1. The Board of Commissioners approves Amendment #1 to Contract 16-60-09 with RH2 Engineering, Inc., for a not-to-exceed amount of \$397,042.00.
2. The General Manager or Designee is authorized to execute Amendment #1 (referenced as Attachment-2 and incorporated herein) for Project 16-2 Phase 2.
3. The General Manager and/or the District's legal counsel are authorized to make minor changes to the Amendment if required.

ADOPTED BY THE BOARD OF COMMISSIONERS of Highline Water District, King County, Washington, at an open public meeting held on this **18th** day of **January 2017**.

BOARD OF COMMISSIONERS



Todd Eultz, President



Vince Koester, Commissioner



Kathleen Quong-Vermeire, Commissioner



Daniel Johnson, Secretary



George Landon, Commissioner

EXHIBIT A
Scope of Work
Amendment No. 1
Highline Water District
Pump Station No. 8
Phase 2: Design, Permitting Assistance, and Services During Bidding
January 2017

Background

In February 2016, RH2 Engineering, Inc., (RH2) was retained by the Highline Water District (District) to complete predesign services for Pump Station No. 8, including site selection. Pump Station No. 8 will be constructed in the far northern reaches of the 560 Zone, allowing the District's largest storage reservoir (Crestview Reservoir) to provide water to customers in this zone if the existing Pump Station No. 6 becomes inoperable. Currently, the only path for water from the Crestview Reservoir to serve any District customers is through Pump Station No. 6. A second pump station drawing from the Crestview Reservoir storage will allow the 560 Zone, and all other connected pressure zones, access to the 7.6 million gallons (MG) of storage if Pump Station No. 6 is out of service. The need for Pump Station No. 8 is more fully explained in the District's *2016 Water System Plan* (Plan). Construction of the new pump station is identified as Capital Improvement Project "BP-1" in the Plan and is scheduled to begin construction in 2017.

The site selected for Pump Station No. 8 is located at 16032 42nd Avenue South, Tukwila, Washington. This site was purchased on November 15, 2016, by the District.

The following Scope of Work details the approach RH2 will use to: design Pump Station No. 8 and associated water main; assist the District with permit applications for the project; and assist the District during the bidding process.

Services During Construction are not included in this Scope of Work and will be prepared later under a separate amendment.

Task 1 – Project Management Services

Objective: Coordinate with District staff; monitor RH2's scope, budget, and schedule; review and issue invoices; and maintain RH2 project files and records.

Approach:

- 1.1 Coordinate with the District regarding RH2's schedule and progress.
- 1.2 Prepare invoices. Review for consistency and monitor budget. Provide monthly status updates.
- 1.3 Maintain RH2's project records and project files.
- 1.4 Prepare project schedule and manage RH2 design team by conveying tasks to team members, monitoring progress, and reviewing work.

RH2 Deliverables:

- Monthly invoices.
- Project schedule, updated monthly.
- Weekly status phone calls.

Task 2 – Permitting Assistance for Pump Station No. 8 and Water Main

Prepare permit applications for the pump station and associated water main; coordinate with local and state agency staff regarding permit compliance; submit finalized permit applications; and facilitate agency reviews. *It is anticipated that approved permit applications will be incorporated into bidding and construction documents, as needed.*

Objective: Provide permitting assistance to the District to construct the Pump Station No. 8 and associated water mains.

Approach:

- 2.1 Coordinate with the cities of Tukwila (Tukwila) and SeaTac regarding planned project improvements, pre-application meeting submittal, and anticipated permits. The proposed Pump Station No. 8 project site is situated within the Tukwila city limits, while the proposed water main is situated in SeaTac. Since project improvements will be permitted in two different jurisdictions, RH2 will coordinate with both cities regarding anticipated permit requirements.
- 2.2 Prepare the Tukwila pre-application meeting request and submit to Tukwila. *RH2 anticipates the pre-application meeting will be conducted following preparation of 30-percent plans for the Pump Station No. 8 site, and that Tukwila staff will inform the District and RH2 of necessary, applicable permits for site development.* Prepare for and attend Tukwila pre-application meeting with District staff. Prepare meeting minutes following the meeting and distribute to the District and project team.
- 2.3 Prepare SeaTac pre-application meeting request and submit to SeaTac. *RH2 anticipates the pre-application meeting will be conducted following pre-design for the Pump Station No. 8 site, and that SeaTac staff will inform the District and RH2 of necessary, applicable permits for site development.* Prepare for and attend pre-application SeaTac meeting with District staff. Prepare meeting minutes following the meeting and distribute to the District and project team.
- 2.4 Prepare a State Environmental Policy Act (SEPA) Environmental Checklist. The project will involve work within the jurisdictional boundaries of the Cities of SeaTac and Tukwila. *RH2 anticipates that Tukwila will act as the lead agency since Pump Station No. 8 site improvements and subsequent permitting will primarily occur within the Tukwila jurisdiction.* Coordinate with the District to review the checklist, and then submit to Tukwila for environmental determinations and publication.
- 2.5 Prepare an Unclassified Use Permit (UUP) application and associated plans/supporting narrative for Tukwila, and coordinate with the District and Tukwila staff for submittal of the UUP. The proposed Pump Station No. 8 property is located in the LDR zone; water pump stations are unclassified land uses in the LDR zone, according to Tukwila Municipal Code (TMC) Table 18-6: Land Uses Allowed by District. *Consequently, the project is anticipated to require a UUP, a process that requires a public hearing and approval by the city council. It is anticipated that the UUP and SEPA will be combined reviews through Tukwila. Additionally, it is anticipated that design review will occur through Tukwila as part of the UUP review process; however, the need for a separate application for design review will be determined during the pre-application meeting with Tukwila.* One (1) RH2 staff member will attend the public hearing, as desired by District staff.
- 2.6 Prepare a commercial building permit application for the project and submit to Tukwila. *The building permit will be submitted during final design. The effort estimated for this task is based on RH2's current understanding of the requirements for commercial building permits in Tukwila; project-specific requirements may require more or less effort related to the building permit.*

- 2.7 Prepare drainage and site development documents for the project anticipated to be needed for both SeaTac and Tukwila permit reviews. Prepare storm drainage design for the Pump Station No. 8 site and a Technical Information Report (TIR) as required by Tukwila to address proposed Pump Station No. 8 site improvements and storm drainage design. *It is assumed that grading and drainage within Tukwila's jurisdiction will be addressed as part of UUP review.* Coordinate with SeaTac regarding need for Site Review permit application. Prepare a Site Review permit application, if requested, and submit to SeaTac. The Site Review permit application will address drainage and grading for the water main in SeaTac right-of-way (ROW) as part of the Pump Station No. 8 project.
- 2.8 Prepare a ROW Use permit application and submit to SeaTac. *A ROW Use permit is not anticipated to be required by Tukwila for the water main work.*
- 2.9 Following permit submittals, coordinate with agency staff (including SeaTac and Tukwila) to review applications and respond to requests for additional information. *The level of effort that will be necessary for agency coordination is difficult to estimate; therefore, RH2 has estimated a level of effort that is typical for permit coordination and facilitation. If additional coordination is needed, RH2 can prepare an amendment to this Scope of Work.*

Assumptions: This Task was scoped using the following assumptions:

- *One (1) pre-application meeting will suffice with staff from both Tukwila and SeaTac attending, as desired by City staff.*
- *For SEPA review, RH2 will generate and provide mailing labels for adjacent properties to Tukwila.*
- *The proposed Pump Station No. 8 site does not contain wetland and/or stream features, or other critical areas. A critical areas study will not be required for this project.*
- *Since the project is not receiving state funding, compliance with Governor's Executive Order (GEO) 05-05 will not be required.*
- *The project will not be disturbing over one (1) acre of land. A Construction Stormwater General Permit (CSGP) through the Washington State Department of Ecology (Ecology) will not be required.*

Provided by the District:

- Payment of all permit fees directly.
- Attendance at the pre-application meeting and permit submittal meetings.

RH2 Deliverables:

- Pre-application meeting request application, meeting attendance, and meeting minutes.
- SEPA environmental checklist and mailing labels.
- UUP application (Tukwila) and supporting plans/documents, coordination with Tukwila for UUP approval, and attendance at the public hearing.
- Commercial building permit application.
- TIR (Tukwila), Stormwater Design (Tukwila and SeaTac), and Site Review permit application (SeaTac).
- ROW Use permit application (SeaTac).
- Records of all correspondence and coordination with agency staff.

Task 3 – Prepare Predesign/Department of Health Project Report

Objective: Prepare a predesign report for the District that meets the Washington State Department of Health (DOH) project report requirements for construction of a new drinking water pump station and associated transmission.

Approach:

- 3.1 Prepare a draft predesign report summarizing sizing calculations and meeting the requirements of a DOH project report. Refine hydraulic analyses that build upon modeling work performed during the site selection phase of the project. Refine pump selection and specified duty point based on updated model that includes designed valves and pipelines.
- 3.2 Attend one (1) meeting with the District and DOH to address comments to the Project Report.
- 3.3 Address District and DOH comments on the draft report. Prepare final predesign report for the pump station.

Provided by the District:

- Construction record drawings and predesign report(s) for Pump Station No. 6 and the Crestview Reservoir.
- Comments on the draft report.
- Attendance at DOH review meeting.

RH2 Deliverables:

- Draft Project Report.
- Attendance at one (1) meeting to discuss DOH comments.
- Final Project Report.

Task 4 – Pump Station No. 8 Design

Objective: Design the booster pump station (BPS), water main, and related improvements.

Approach:

- 4.1 Finalize the design criteria for the BPS, based on the results of project predesign and DOH Project Report, Tukwila Pre-Application meeting, and SeaTac Pre-Application meeting.
- 4.2 Perform a geotechnical investigation for the pump station site and water main.
 - Perform a geotechnical investigation to observe, characterize, and document earth and groundwater conditions of the site, identify potential geologic hazards and recommendations to mitigate the risks, and provide recommendations for design and construction of the BPS and water main. *RH2 will direct and observe the excavation of exploration borings at the BPS site to help determine the below-grade conditions for the station. Two (2) borings are assumed, one (1) of which will be equipped as a monitoring well. If field investigations reveal unanticipated geologic or hydrogeologic conditions that could have a significant impact on the design or construction of the pump station, additional exploration and authorization may be necessary. Borings will be subcontracted by RH2 to a licensed driller.*

- Prepare a geotechnical report that will include a summary of geological conditions and provide recommendations for the design and construction of the proposed pump station, including shoring and foundation design, active and passive soil pressures, drainage, and trench stability for contractor shoring requirements. The report will include a figure showing boring locations, boring photographs, and boring logs from each boring performed.
- 4.3 Review site and related documents in preparation for BPS and main design, including geotechnical report, and survey information. Collect and review road and other utility as-constructed records for 42nd Avenue South.
- 4.4 Assist the District in providing public outreach. *It is anticipated that this may include writing a letter to adjacent homeowners and attending one (1) public meeting.*
- 4.5 Coordinate with a land surveyor and review survey for completeness and convert to RH2 format. *It is assumed that surveying will be subcontracted to PACE Engineers, Inc., a professional land surveyor (PLS), to provide horizontal and vertical survey control and topographical information, including surface features, underground utilities, roadway and utility alignments, ROWs, and property lines.* The extents of the survey include 16032 42nd Avenue S, Tukwila and 42nd Avenue South from 160th Street South to approximately 250 feet south of South 164th Street. A limited survey will also be performed on the north side of the Pump Station No. 6 site to provide a base map for control valve improvements at this site.
- 4.6 Identify improvements in the intersection of South 160th Street and 42nd Avenue South that must be completed prior to repaving in the intersection by SeaTac. Prepare plans and specifications to be included in Tukwila's 42nd Avenue South project. Coordinate with the District and the City of Tukwila to allow that work to be constructed as a separate small works project by the District or by Tukwila's road construction contractor via an interlocal agreement prepared by the District.
- 4.7 Prepare a cover sheet with a rendering of the proposed BPS.
- 4.8 Prepare general information plans with vicinity map, overview map, contact personnel, drawing index, legend, survey notes, and general construction notes.
- 4.9 Prepare water main overview plan, and plans for water main improvements showing adjacent utilities, ROW, and other significant surface features, profiles, details for connection to existing mains, control valve revisions, and standard surface restoration and water main details. Provide modeling and analysis to determine optimal valve sizing. Design replacement of the control valve at Pump Station No. 8 to eliminate pneumatic actuators. Evaluate motor- and solenoid-actuated control valves for replacement of the existing pneumatically controlled valve.
- 4.10 Prepare site and utility design plans, including demo plan, site grading, access to the proposed BPS, utilities, and storm water improvements.
- 4.11 Prepare landscaping plans. Identify landscaping/mitigation requirements per Tukwila and public outreach effort; review the landscaping plan once complete. *Landscaping design will be subcontracted to a licensed landscape architect.*
- 4.12 Identify structural design criteria and prepare structural calculations and plans, including building elevations, foundation plan, floor plan, roof plan, structural sections, and structural details. *It is assumed that the pump station will be a single-story, concrete structure that extends approximately 15 feet below-grade, and that shoring will be designed by the contractor.*

- 4.13 Prepare mechanical design plans of supply and discharge water supply pipelines, valves, and pumps (plan view, sections, and mechanical details). Prepare the same for ventilation, heating, and dehumidification equipment and conduits.
- 4.14 Prepare electrical and control design plans (legend, one-line diagram, power distribution and signal plan, lighting and receptacle plan, details, schedules, control logic diagrams, and telemetry/control panel details).
- 4.15 Prepare emergency generator design plans and details. *It is assumed that the engine generator set will be above-grade and will be in a sound-attenuating enclosure.* Seek opinion of noise control subconsultant for methods to attenuate noise emitting from the generator.
- 4.16 Develop bidding, contract, and technical specifications documents for the project, based on RH2's standard documentation.
- 4.17 Prepare an engineer's estimate of probable construction cost.
- 4.18 Prepare 30-percent complete plans. Incorporate the plans and details developed in subtasks 4.9 through 4.15 into a 30-percent complete design plan set. Add miscellaneous details and construction notes. *Actual completion level may be more than 30 percent at the time of submittal to the District.* Perform in-house quality assurance/quality control (QA/QC) review of 30-percent design plans. Update and submit to the District for review and comment. Meet with District staff to receive comments on 30-percent design.
- 4.19 Prepare and submit 60-percent complete plans and specifications to the District for review and comment, and submit with building permit application. Perform in-house QA/QC review and revision. Meet with District staff to receive comments on 60-percent design plans and specifications.
- 4.20 Prepare 90-percent complete plans and specifications. Respond to comments and develop plans and specifications to 90-percent complete. Perform in-house QA/QC review and revision. Submit 90-percent complete plans and specifications to the District for review and comment. Meet with District staff to receive comments on 90-percent design plans, bidding documents, and specifications.
- 4.21 Prepare final plans. Respond to the District comments and permit review comments.

Assumptions:

- *It is assumed that the BPS will be constructed at 16032 42nd Avenue S. If a different site must be selected, it will impact both design fees and estimated construction costs.*

Provided by the District:

- District comments on 30-, 60-, and 90-percent design plans and specifications.
- Meeting attendance at 30-, 60-, and 90-percent plan completion levels.

RH2 Deliverables:

- Electronic copy of geotechnical recommendations for the BPS.
- Electronic copy of survey information for the BPS and water main.
- Three (3) hard copies and one (1) PDF of the 30-percent Pump Station No. 8 design plans (11-inch by 17-inch) for the District's review. One (1) meeting with the District for 30-percent review comments.
- Three (3) hard copies and one (1) PDF of the 60-percent Pump Station No. 8 design plans (11-inch by 17-inch) for the District's review. One (1) meeting with the District for 60-percent review comments.

- Three (3) hard copies and one (1) PDF of 90-percent Pump Station No. 8 design plans (11-inch by 17-inch) for the District's review. One (1) meeting with the District for 90-percent review comments.
- Three (3) hard copies and one (1) PDF of final Pump Station No. 8 final design plans (11-inch by 17-inch) and one (1) full-size copy (22-inch by 34-inch).
- Three (3) hard copies and one (1) PDF of bid documents and specifications.
- Engineer's estimate of probable construction cost.

Task 5 – Services During Bidding

Objective: Assist the District with project advertisement and bidding.

Approach:

- 5.1 Prepare electronic bid documents and distribute to bidders via plans-posting site. Prepare three (3) half-size plans and bidding documents for use by RH2 and the District during bidding.
- 5.2 Prepare advertisement and submit to the Daily Journal of Commerce (DJC) and Builders Exchange of Washington for advertising
- 5.3 Respond to questions from bidders.
- 5.4 Prepare and issue up to two (2) addenda.
- 5.5 Attend bid opening.
- 5.6 Compile bid results, review the lowest three (3) bids, check references for the lowest bidder, and prepare a letter of recommendation of award to the District. *It is assumed that the District will handle bid award and contract execution.*

Assumptions:

- *It is assumed that the District will pay the plans posting fees directly. RH2's Task 5 work will be provided up to the level in the attached Fee Estimate. Additional effort, if needed, will be mutually determined by the District and RH2.*

Provided by the District:

- The District will conduct the bid award and handle contract execution.

RH2 Deliverables:

- Preparation of plans, specifications, and bid documents for the District, and RH2. Three (3) hard copies and one (1) PDF of 11-inch by 17-inch plan sets. Three (3) hard copies and one (1) PDF of bid documents and specifications.
- Electronic posting of bid documents.
- Assist vendors and bidders, via phone, during the advertisement phase.
- Preparation of up to two (2) addenda.
- Preparation of a bid tabulation.
- Reference check of lowest bidder.
- Project award recommendation letter.

Task 6 – District SCADA Evaluation for the Integration of Pump Station No. 8

Objective: Evaluate the District’s existing supervisory control and data acquisition (SCADA) and system control methodology system, and provide recommendations for SCADA modifications and control of the new Pump Station No. 8.

Approach:

- 6.1 Evaluate the District’s existing SCADA system and operational control plan for the existing Pump Station No. 6. *It is assumed that the new Pump Station No. 8, at a minimum, will have all of the functionality of Pump Station No. 6 and will provide 100-percent redundancy to the existing station.*
- 6.2 Coordinate via phone, email, and one (1) meeting with the District and Stead and Associates to provide recommendations and implement for the following features:
 - Control algorithms for the new Pump Station No. 8.
 - Monitoring of pump station events, alarms, and system data, such as levels, flows, pressures, and totalizers.
 - Secure remote monitoring of system using smartphone, tablet, or computer.
 - Alarm notification system for pump station and communication failures.
 - Historical database storage and trending to allow for District staff to review station data over time.

Assumptions:

- *It is assumed that the District will use Stead and Associates for SCADA integration. Stead and Associates will provide a proposal to the District for the integration (equipment and programming) for the proposed Pump Station No. 8. RH2 will integrate this proposal into the bidding documents listing Stead and Associates as the SCADA provider.*

Provided by the District:

- Participation in meetings and correspondence regarding the automatic control and monitoring of Pump Station No. 8.

RH2 Deliverables:

- Meeting with the District and Stead and Associates to determine preferences and methods to control and monitor Pump Station No. 8.
- Review and edit of proposal provided by Stead and Associates (telemetry block diagram and specifications). Integration of this proposal into the bidding documents and technical specifications.

Task 7 – Additional Services Requested by the District

Objective: Perform additional services as requested by the District, up to the budget limits identified in the attached Fee Estimate.

Approach:

- 7.1 Perform additional services, as requested by the District, up to the budget limits identified in the attached Fee Estimate.

RH2 Deliverables:

- To be determined, as requested by the District.

Services During Construction: While not included within this Scope of Work, RH2 can provide task descriptions and estimates for Services During Construction at a later date for the District's review, if requested.

The number of hours shown on the Fee Estimate for elements of this Scope of Work are provisional amounts only. The actual number of hours could be more or less than shown. Monthly accounting of time expended will be provided, or more frequently as requested by the District.

Project Schedule

RH2 will commence with design work within five (5) days of receipt of a fully-executed agreement, and currently estimate that we will provide 30-percent plans sixteen (16) weeks later, 60-percent plans six (6) weeks following, and 90-percent plans four (4) weeks following. Final plans will be delivered within four (4) weeks of receipt of all District and agency review comments.

EXHIBIT B**Highline Water District****Amendment No. 1****Pump Station No. 8 Phase 2: Design, Permitting Assistance, and Services During Bidding****Fee Estimate**

Description		Total Hours	Total Labor	Total Subconsultant	Total Expense	Total Cost
Classification						
Task 1	Project Management Services	48	\$ 9,356	\$ -	\$ 429	\$ 9,785
Task 2	Permitting Assistance for Pump Station No. 8 and Water Main	167	\$ 26,987	\$ 7,935	\$ 2,770	\$ 37,692
Task 3	Prepare Predesign Report/Department of Health Project Report	114	\$ 18,866	\$ -	\$ 2,224	\$ 21,090
Task 4	Pump Station No. 8 Design	1241	\$ 210,254	\$ 59,168	\$ 27,864	\$ 297,285
Task 5	Services During Bidding	84	\$ 14,832	\$ -	\$ 1,505	\$ 16,337
Task 6	District SCADA Evaluation for the Integration of Pump Station No. 8	22	\$ 4,670	\$ -	\$ 183	\$ 4,853
Task 7	Additional Services Requested by the District	-	\$ -	\$ -	\$ -	\$ 10,000
PROJECT TOTAL		1676	\$ 284,965	\$ 67,103	\$ 34,974	\$ 397,042

EXHIBIT C
RH2 ENGINEERING, INC.
2017 SCHEDULE OF RATES AND CHARGES

RATE LIST	RATE	UNIT
Professional I	\$142	\$/hr
Professional II	\$155	\$/hr
Professional III	\$167	\$/hr
Professional IV	\$177	\$/hr
Professional V	\$191	\$/hr
Professional VI	\$203	\$/hr
Professional VII	\$220	\$/hr
Professional VIII	\$229	\$/hr
Professional IX	\$229	\$/hr
Technician I	\$101	\$/hr
Technician II	\$107	\$/hr
Technician III	\$136	\$/hr
Technician IV	\$145	\$/hr
Administrative I	\$69	\$/hr
Administrative II	\$81	\$/hr
Administrative III	\$97	\$/hr
Administrative IV	\$114	\$/hr
Administrative V	\$135	\$/hr
CAD/GIS System	\$27.50	\$/hr
CAD Plots - Half Size	\$2.50	price per plot
CAD Plots - Full Size	\$10.00	price per plot
CAD Plots - Large	\$25.00	price per plot
Copies (bw) 8.5" X 11"	\$0.09	price per copy
Copies (bw) 8.5" X 14"	\$0.14	price per copy
Copies (bw) 11" X 17"	\$0.20	price per copy
Copies (color) 8.5" X 11"	\$0.90	price per copy
Copies (color) 8.5" X 14"	\$1.20	price per copy
Copies (color) 11" X 17"	\$2.00	price per copy
Technology Charge	2.50%	% of Direct Labor
Mileage	\$0.535	price per mile (or Current IRS Rate)
Subconsultants	15%	Cost +
Outside Services	at cost	

Rates listed are adjusted annually.



AMENDMENT #1

**CONSULTANT AGREEMENT FOR SERVICES
RH2 ENGINEERING, INC. – CONTRACT # 16-60-09
PROJECT 16-2 PUMP STATION NO. 8 (CRESTVIEW)**

RH2 Engineering, Inc. has requested the following additional compensation (**Exhibit(s) A, B and C**), incorporated herein, for Phase 2 Design, Permitting Assistance and Services during Bidding:

Task	Description	Amount
1	Project Management Services	\$ 9,785.00
2	Permitting Assistance for Pump Station No. 8 and Water Main	\$ 37,692.00
3	Prepare Predesign/Department 6 of Health Project Report	\$ 21,090.00
4	Pump Station No. 8 Design	\$ 297,285.00
5	Services During Bidding	\$ 16,337.00
6	District SCADA Evaluation for the Integration of Pump Station No. 8	\$ 4,853.00
7	Additional Services Requested by the District	\$ 10,000.00
Contract Revision Total		\$ 397,042.00
Previous Contract Amount		\$ 74,296.00
Revised Contract Amount		\$ 471,338.00

RH2 Engineering, Inc. will undertake the above-referenced additional work on a time-and-expense basis. The estimated cost for these additional services is \$397,042.00. The current contract amount is \$74,296.00. The revised contract amount is \$471,338.00. The same standard general terms and conditions will apply as agreed to in Contract #16-60-09 dated 3/09/16.

Effective Date. The effective date of this Amendment shall be the date signed by an authorized representative of the District.

HIGHLINE WATER DISTRICT

RH2 ENGINEERING, INC.

By: _____
Matt Everett

By: _____
Tony V. Pardi

Title: General Manager

Title: Vice President

Date: _____

Date: _____

Agenda Item No.: 5.1
Agenda Date: 01/18/17
Reviewed By: [Signature] M.E.

Subject: Authorize Amendment #1 – RH2 Engineering, Inc. - Contract #16-60-09
Project 16-2 Phase 2 – Design, Permitting Assistance and Services During Bidding

CATEGORY	
<i>Executive</i>	<input type="checkbox"/>
<i>Administrative</i>	<input type="checkbox"/>
<i>Engineering/Operations</i>	<input checked="" type="checkbox"/>

FINANCIAL						
<i>Expenditures?</i>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
<i>Budgeted?</i>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
<i>Estimated Amount:</i>		\$ 397,042.00				
		Excludes sales tax				

ATTACHMENTS:

1. Resolution 17-1-18B with Attachment-1 (Exhibit(s) A, B and C)
2. Attachment-2 (Amendment No. 1)

COMMENTS:

At the request of the District, RH2 Engineering, Inc., submitted a proposal for Phase 2 of Project 16-2 Pump Station No. 8 (Crestview)

The General Manager and District Engineer have reviewed the 1/03/17 Scope of Work and Fee Estimate and recommend approval of this resolution.