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OFFICIAL RECORD
Requested By:
DC/PUBLIC WORKS

Assessor's Parcel Number: N/A

Date: NOVEMBER 24, 2008

Recording Requested By:

Douglas County - NV
Karen Ellison - Recorder
Page: 1 Of 12 Fee: 0.00
BK-1108 PG- 4779 RPTT: 0.00



✓ Name: RON ROMAN, PUBLIC WORKS

Address: _____

City/State/Zip: _____

Real Property Transfer Tax: \$ N/A

CONTRACT #2008.258
(Title of Document)

AMENDMENT NO. 1

CONTRACT BETWEEN DOUGLAS COUNTY
AND
HDR ENGINEERING, INC.

FOR
Cave Rock – Skyland Water System
Cave Rock Improvements

FILED
NO. 2008.258
2008 NOV 24 PM 3:09
TED THUAN
CLERK
[Signature]

Whereas, on June 19, 2008, Douglas County (COUNTY), a political subdivision of the State of Nevada, and HDR Engineering, Inc.(CONSULTANT), an independent contractor, (hereinafter collectively referred to as THE PARTIES) entered into a contract for certain services for design of Cave Rock – Skyland Water System Improvements to implement Alternative D of the short-term capital improvement plan (CONTRACT); and

Whereas, the County has completed a structural seismic evaluation of the Uppaway water tank that recommends that the water tank be replaced; and

Whereas, additional professional engineering services are required for design of a new water storage tank at Uppaway.

WITNESSED:

Now, therefore, in consideration of the agreements herein made, the parties mutually agree to amend the Contract to include the following:

1. Incorporate the attached Exhibit B Scope of Services.
2. Incorporate the attached Exhibit C Contract Time.
3. Incorporate the attached Exhibit D Estimated Work Effort and Cost. The Contract billing rate schedule will remain unchanged.
4. Increase the total Contract in the amount of \$178,751.00 for a revised Contract amount not to exceed \$574,667.00.
5. All other sections of the original Contract to remain in effect.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be signed and intend to be legally bound thereby.

[Signature]

Independent Contractor/Consultant

11/17/08
Date

[Signature]

Douglas County Manager

11/20/08
Date

Attest:
[Signature]

County Clerk

11-21-2008
Date

[Signature]

Approved as to form:

[Signature]

District Attorney

11-10-2008
Date

EXHIBIT B SCOPE OF SERVICES

Douglas County *Uppaway Water Storage Tank Replacement*

HDR Engineering, Inc., (CONSULTANT) will provide design and permitting services for replacement of the existing 135,000-gallon water storage tank with an approximately 375,000-gallon water storage tank. The project would include assorted site work, including retaining wall, fencing, revegetation, and connection to existing system. There is an existing cellular network antenna and appurtenances located at the site, which will need to remain in service during construction.

TASK 1 - PROJECT MANAGEMENT AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

CONSULTANT's project manager will be responsible for effective and timely completion of the work. He will schedule the work, make personnel assignments, attend project meetings, serve as the County's contact person with our project team, and coordinate and direct the design and production activities. He will also organize and review the QA/QC program.

Deliverables: Monthly progress reports and invoices.

Subtask 1.2 - QA/QC

At the 30, 90, and 100 percent design stages, CONSULTANT will conduct a quality control design review.

Deliverables: Comments to CONSULTANT design team on QA/QC review process.

TASK 2 - DESIGN CONFIRMATION MEMORANDUM

Subtask 2.1 - Initial Project Meeting

CONSULTANT will conduct an initial project meeting, which will provide an opportunity to obtain County staff input and guidance regarding the scope of work and approach to the project. Additionally, representatives from Cave Rock and Uppaway Estates (including Uppaway Estates Homeowner Association [HOA] Architecture Review Committee) will be invited to participate in the initial project meeting. The meeting will be used to finalize the schedule, determine task priorities, and work out unresolved details. This meeting will also be used to review all information already obtained by County staff regarding the project, as well as discuss visual impact, retaining wall design, and landscaping issues with Uppaway Estates HOA Architecture Review Committee staff.

Deliverables: Workshop agenda and minutes.

Subtask 2.2 - Technical Memorandum (TM)

Following the initial project meeting, CONSULTANT will evaluate two alternative site layouts for the Uppaway Water Storage Tank Replacement project. CONSULTANT will provide a technical memorandum summarizing the results of the alternative analysis, design criteria, assumptions, and preliminary cost estimates.

Deliverable: Six copies of the TM for review and comment by County and Uppaway Estates HOA Architecture Review Committee staff.

Subtask 2.3 - TM Review Meeting

The County's and Uppaway HOA Architecture Review Committee review comments made regarding the TM will be discussed in a follow-up meeting. As with all project meetings, CONSULTANT's project management team will attend, as well as key CONSULTANT personnel, County staff, and Uppaway Estates HOA staff. CONSULTANT will prepare and distribute minutes of meetings. The minutes will include a feature that has been very successful on other projects, a list of action items that people in the meeting promised or were assigned to perform.

Deliverables: Meeting minutes.

TASK 3 - FINAL DESIGN

Subtask 3.1 - Topographic Survey, Geotechnical Investigation, and Easements

CONSULTANT will review existing information and make recommendations to the County on the need for geotechnical investigations. If needed, additional geotechnical investigation will be performed by CONSULTANT's subconsultant (Pezonella Associates). The geotechnical investigation will be performed to determine the subsurface soil conditions at the proposed water tank site and provide an opinion and recommendations concerning:

- Potential geological hazards with preliminary liquefaction assessment.
- Site preparation and grading.
- Soil engineering criteria for foundation design, with estimates of settlement.
- Lateral earth pressures for retaining wall design.
- Support of slabs on grade.

A ground survey will be completed for the project. Topographic surveys of the site will be completed by Resource Concepts, Inc. (RCI). Surveying will utilize ground survey mapping with 1' contour interval and 1" = 20' horizontal scale. Final mapping will be in AutoCAD.

Deliverables: Draft and final geotechnical investigation reports, and base maps suitable for design.

Subtask 3.2 - Contract Drawings and Specifications

CONSULTANT will prepare drawings in AutoCAD format. Specifications will be prepared in CSI format using EJCDC standard contract documents (base document to be provided by the County). Progress submittals will be made to the County for review and approval at the 30 and 90 percent design stages.

CONSULTANT will prepare bidding documents for the new water tank, which will have a capacity of approximately 375,000 gallons. All miscellaneous appurtenances (i.e., overflow piping, electrical and telemetry controls), tank access road, and demolition of the existing tank will also be included. No new electrical service will be required for this project. Telemetry controls will be powered by a solar collector. Landscaping plans and details are included.

The following is a preliminary list of drawings anticipated for the project:

1. Cover Sheet, Location/Vicinity/Key Maps, and List of Drawings
2. General Abbreviations
3. Legends and Symbols
4. Existing Water Reservoir Site - Demolition Plan and Photos
5. Reservoir Site Grading, Drainage, and Piping Plan
6. Douglas County - Standard Details
7. Miscellaneous Site Details
8. Retaining Wall Plan
9. Retaining Wall Sections and Details
10. Reservoir - Plan View
11. Reservoir - Sections and Details I
12. Reservoir - Sections and Details II
13. Landscaping Plan
14. Landscaping Details
15. Best Management Practices Notes and Details
16. Best Management Practices Details
17. Electrical Symbols and General Notes
18. Electrical Site Plan
19. Electrical and Telemetry Details

Deliverables:

- *Complete contract document for bidding using the EJCDC documents (base document provided by County), including advertisement for bids, instruction to bidders, bid form, agreement, general conditions, supplementary conditions, technical specifications, and drawings.*
- *Six copies of the 30 percent construction drawings for County and Uppaway Estates HOA Architecture Review Committee review and approval.*
- *Six copies of the 90 percent construction drawings and specifications for County and Uppaway Estates HOA Architecture Review Committee review and approval.*
- *Two copies of the 100 percent completed construction drawings.*
- *Two completed sets of construction documents (one unbound master for reproduction).*
- *One computer disk with drawings AutoCAD files and contract documents.*

Subtask 3.3 - Design Review Meetings

CONSULTANT will meet with County staff to discuss comments on the 30 and 90 percent design submittals. A third meeting with CONSULTANT and County staff is also included to address issues that may arise.

Also included in this subtask are two meetings with the Uppaway Estates HOA Architecture Review Committee to discuss visual impacts.

A total of five meetings have been budgeted under this subtask.

Deliverables: Meeting agenda.

Subtask 3.4 - Detailed Construction Cost Estimate

CONSULTANT will prepare a construction cost estimate for the construction contract, based on a detailed materials take-off. The estimate will be computer-generated, and provided at the 30, 90, and 100 percent design phases.

Deliverables: Construction cost estimate at 30, 90, and 100 percent design phases.

TASK 4 - PERMITTING ASSISTANCE

Subtask 4.1 - Tahoe Regional Planning Agency (TRPA) Permitting

CONSULTANT's subconsultant (Resource Concepts, Inc.) will assist the County with TRPA permitting for the project. The full extent of the scope of work and associated costs for this subtask will be based on discussions and determinations made by TRPA staff at the pre-application meeting and upon completion of the research of TRPA files. Revisions to the work under this subtask as a result of the pre-application meeting and research completion will be identified, and a modified scope of work will be presented to the County for consideration and approval.

The following work is budgeted under this subtask:

- Attending a pre-application meeting with TRPA staff to discuss the proposed project, identify potential issues, determine TRPA project area, and determine TRPA application process.
- Researching TRPA files to identify what work has already been completed for previous projects, such as land capability verifications and/or land coverage calculations.
- Performing visual survey work of project area (estimated to be 100 square feet around the existing tank), including topography, existing improvements, land coverage calculations, and vegetation identification, as required by Tahoe Douglas Fire Protection District. It appears that no separate parcel exists.
- Mapping of survey results.
- Reviewing the project proposal for consistency with TRPA regulations.
- Identifying project elements that may not be consistent with TRPA regulations, and providing suggestions on modifications.
- Applications (to be confirmed at TRPA pre-application meeting), including:
 - Tahoe-Douglas Fire Protection District pre-approval submittal.
 - Soil/hydrologic report application (content of report to be provided by CONSULTANT's geotechnical subconsultant).
 - Land coverage transfers.
 - Public service.
- Preparing application checklist items, including:
 - Revegetation plans for areas of disturbed and removed land coverage. The plan will incorporate the fire district defensible space requirements/guidelines.

- Preparation of photo simulations of proposed structures visible from TRPA scenic roadway units (as required by TRPA).
- Completion of TRPA initial environmental checklist.
- Completion of TRPA scenic impact assessment checklist.
- Preparation of project description and applicable findings rationale.
- Review of plan set for conformance with checklist items.
- Submitting the application to TRPA office.
- Addressing questions TRPA staff may have during the review of the application.
- Attending TRPA hearings officer meeting (if applicable).
- Responding to TRPA permit conditions/TRPA permit acknowledgement, including:
 - Providing written response to special conditions outline in permit.
 - Submitting final drawings and written response to TRPA.

Subtask 4.2 - Additional Permitting

CONSULTANT will prepare and file the following permits and design review applications for this project:

- Douglas County Development Review.
- Douglas County Building Department.
- Tahoe Douglas Fire District,
- Bureau of Safe Drinking Water.
- Assembly Bill (AB) 198 Board Representation.

The County will pay all permit fees. CONSULTANT will prepare permit applications for County signature and will include all reprographic charges in their services.

Deliverables: Technical information and applications for required permits.

TASK 5 - BIDDING SERVICES

Subtask 5.1 - Services During Bidding

CONSULTANT will conduct prebid meeting for the reservoir replacement contract, review bids, and recommend award for construction. One addendum will be issued during the bidding phase.

Deliverables: Written addendum and/or clarifications of contract documents, written evaluation, and summary of bids.

TASK 6 – CONSTRUCTION SERVICES

Subtask 6.1 – Pre-Construction Conference

CONSULTANT will attend a preconstruction meeting for the reservoir replacement project.

Deliverables: None.

Subtask 6.2 – Submittal Review

CONSULTANT will review the following submittals

- Tank Foundation.
- Structural Tank Submittals.
- Tank Coatings.
- Telemetry and Electrical Submittals.
- Piping.

Deliverables: Written evaluation and recommended action on shop drawings.

Subtask 6.3 – On-Call Construction Services

CONSULTANT will provide on-call construction services as requested by the County based on time and expenses in accordance with the hourly billing rates in the contract compensation schedule not to exceed an estimated \$10,000 to review construction issues and provide technical information as requested.

Deliverables: As negotiated.

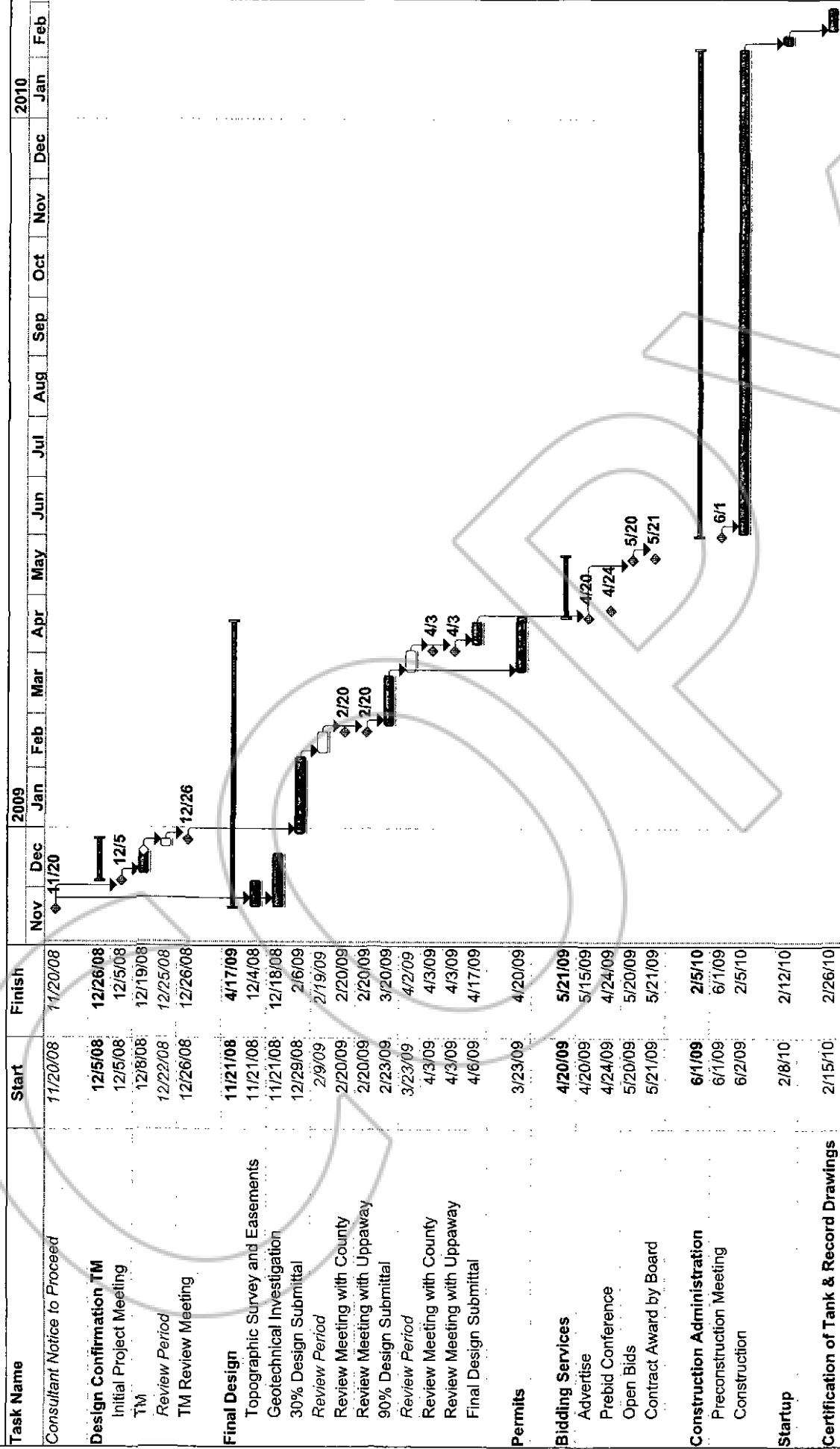
Subtask 6.4 – Record Drawings

CONSULTANT will prepare record drawings based on construction information provided by the County.

Deliverables: One vellum copy and one electronic CD of the construction record drawings in PDF and AutoCAD format.

Exhibit C - Contract Time

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Douglas County
Uppaway Water Storage Tank Replacement

Task Milestone Summary Review Period

Exhibit D - Estimated Work Effort and Cost

Douglas County
Uppaway Water Storage Tank Replacement

Task No.	Task Description	QA/QC	Sr. Project Manager	Civil	Structural	Electrical	Sr. CAD Technician	Admin/ Clerical	Total HDR Labor Hours	Total HDR Labor (\$)	Total HDR Expenses (\$)	Subs (\$)	Total Cost (\$)	
Task 1 - Project Management and Quality Assurance/Quality Control (QA/QC)														
1.1	Project Management		16					4	20	\$4,209	\$ 400		\$ 4,609	
1.2	QA/QC	24						2	28	\$5,473	\$ 550		\$ 6,023	
	Subtotal Task 1	24	16	0	0	0	0	6	46	\$ 9,682	\$ 950	\$ -	\$ 10,632	
Task 2 - Preliminary Design														
2.1	Initial Project Meeting		6	6				2	14	\$2,196	\$ 200		\$ 2,396	
2.2	TM		8	16	8	4	16	8	60	\$9,507	\$ 1,200		\$ 9,707	
2.3	TM Review Meeting		6	6				2	14	\$2,196	\$ 200		\$ 2,396	
	Subtotal Task 2	0	20	28	8	4	16	12	88	\$ 12,899	\$ 1,600	\$ -	\$ 14,499	
Task 3 - Final Design														
3.1	Topographic Survey, Geotechnical Investigation, and Easements		2	2					4	\$675	\$ 1,000	\$ 9,975	\$ 11,650	
3.2	Contract Drawings and Specifications		60	120	40	20	180	70	470	\$64,386	\$ 7,000		\$ 71,386	
3.3	Design Review Meetings (up to five meetings)		30	30		6		6	72	\$11,908	\$ 800		\$ 12,708	
3.4	Detailed Construction Cost Estimate		4	12	2	2		2	22	\$3,083	\$ 300		\$ 3,383	
	Subtotal Task 3	0	96	164	42	28	160	78	568	\$ 80,051	\$ 9,100	\$ 9,975	\$ 99,126	
Task 4 - Permitting														
4.1	TRPA Permitting								0	\$0	\$ -	\$ 15,750	\$ 15,750	
4.2	Additional Permitting		8	40					48	\$5,766	\$ 1,000		\$ 6,766	
	Subtotal Task 4	0	8	40	0	0	0	0	48	\$ 5,766	\$ 1,000	\$ 15,750	\$ 22,516	
Task 5 - Bidding Services														
5.1	Services During Bidding		8	24	2	4	16	16	70	\$6,895	\$ 1,000		\$ 9,895	
	Subtotal Task 5	0	8	24	2	4	16	16	70	\$6,895	\$ 1,000	\$ -	\$ 9,895	
Task 6 - Construction Services														
6.1	Pre-Construction Conference		6					2	8	\$1,621	\$ 200		\$ 1,821	
6.2	Submittal Review (up to five)		12	18				16	44	\$5,804	\$ 600		\$ 6,404	
6.3	On-Call Construction Services								0	\$0			\$ 10,000	
6.4	Record Drawings		2	4			20	26	26	\$3,457	\$ 400		\$ 3,857	
	Subtotal Task 6	0	20	20	0	0	20	18	78	\$10,883	\$ 1,200	\$ -	\$ 22,083	
COLUMN TOTALS												\$14,850	\$25,725	\$178,751

COPY

CERTIFIED COPY

The document to which this certificate is attached is a full, true and correct copy of the original on file and on record in my office.

DATE: Nov 24 2008

THOMAS Clerk of the JUDICIAL Judicial District Court
of the State of Nevada, in and for the County of Douglas.
By [Signature] Deputy