

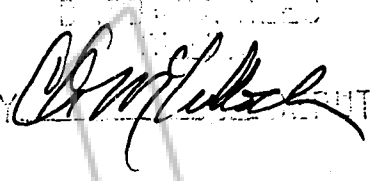
NK  
Comm Dev  
Linda Teplia

FILED  
NO. 96-073

AMENDMENT NO. 4

'96 MAY 10 A10 :09

CONTRACT BETWEEN DOUGLAS COUNTY  
AND  
GILMORE ENGINEERING  
FOR  
CAVE ROCK/SKYLAND WATER SYSTEM  
REGIONAL WATER FILTRATION FACILITY  
CAVE ROCK WATER STORAGE TANKS

BY  COUNTY

WITNESSED


Whereas, on July 14, 1995, Douglas County, a political subdivision of the State of Nevada, and Gilmore Engineering, an independent contractor, entered into a contract for certain services; and

Whereas, the circumstances have changed requiring additional engineering services by the Contractor; and

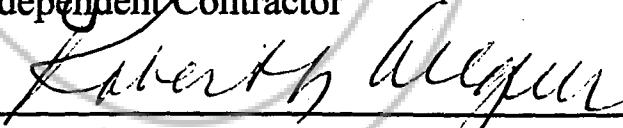
Whereas, on May 9, 1996, the Douglas County Board of Commissioners took action to approve Amendment No. 4 to the original agreement to provide the work described in Exhibit B-4.

Now, therefore, in consideration of the agreements herein made, the parties mutually agree as follows:

- The Scope of Work is amended to add the additional services provided in Exhibit B-4.
- The Compensation is amended to add the additional fees provided in Exhibit C-4.
- The Period of Performance is amended to add the additional time provided in Exhibit D-4.
- All other sections of the original agreement remain in effect.

  
\_\_\_\_\_  
Independent Contractor

APRIL 24, 1996  
Date

  
\_\_\_\_\_  
Board of County Commissioners

May 9, 1996  
Date

387507

BK 0596 PG 1834

Attest:

Barbara J. Reed  
County Clerk *by: L. Lynch, deputy*

[Signature]  
District Attorney

5-9-96  
Date

4/26/94  
Date

COPY

387507

BK0596PG1835

**EXHIBIT B-4**  
**SCOPE OF SERVICES**

**I -- CAVE ROCK/SKYLAND WATER SYSTEM TREATMENT SYSTEM**

**Task 1. Pre-construction**

Attend pre-construction conference and answers questions. Provide written responses as required.

Deliverable: Provide in a timely manner copies of all correspondence to County representative.

**Task 2. Shop Drawings**

Review and process all shop drawing submittals pursuant to the construction contract documents.

Deliverable: Provide two (2) copies of all approved shop drawing submittals to the County representative. Shop drawing submittals shall be delivered to the County representative no later than 5 days after approval.

**Task 3. Construction Management**

Attend meetings, verify progress payment quantities, and provide written responses to questions and requests for clarification during construction phase.

Deliverable: Prepare and submit a detailed monthly report documenting the above activities.

**Task 4. Construction Inspection**

Provide on-site inspection services for the following:

- Specification 11300 -- Owner Furnished Water Treatment Plant Items.
- Specification 10900 -- Miscellaneous Specialties.
- Mechanical items -- raw water strainer, pumps, motors, wastewater pump station, chlorination equipment, chemical feed equipment, raw water tank, flowmeters, valves, and ventilation equipment.
- Specification 16130 -- Miscellaneous electrical work.

- Electrical items -- metering switch gear, transformers, panel boards, motor control center, auto transfer switch, lighting, emergency generator, intrusion detection system, smoke detection system, heating equipment, and SCADA system.

**Deliverable:** Prepare and submit a detailed monthly report documenting the above inspection activities. The monthly report shall include, but not be limited to:

- work completed to date
- problems encountered
- tests performed and test results
- unknown or changed filed conditions
- work forces
- general observations

#### **Task 5. Startup and Testing:**

Oversee, and coordinate all operational testing and startup services as required to put plant into full automatic, unattended operation.

**Deliverable:** Prepare and submit a detailed monthly report documenting all testing and operational procedures and test results. Provide to County representative written notification of all deficiencies and recommended actions. Upon satisfactory completion of all tests, provide written recommendation to County representative for acceptance of the work, and recommendation of Substantial Completion (as defined in the construction contract documents).

#### **Task 6. Operations and Maintenance Manual**

Prepare a complete and detailed Operations and Maintenance Manual. Manual to include instructions specific to the Cave Rock/Skyland plant, plus all record drawings, and all manufacturers operation and maintenance instructions on the equipment furnished. Manual to include an Emergency Operations Plan and a Hazardous Materials handling plan.

**Deliverable:** Submit four (4) copies of the O&M manual in 8 ½" x 11" three ring binders with dividers and index. The O&M manuals shall be delivered to the Douglas County representative by no later than January 31, 1997.

**Task 7. Project Completion and Close out**

Provide to County representative a punch list of all deficiencies and corrections. Upon satisfactory completion of all punch list items, provide written recommendation to County representative for acceptance of the work and recommendation of final acceptance.

Deliverable: Prepare punch lists as required, and Letter recommending acceptance of project.

**Task 8. Construction Staking**

Provide construction staking for the plant site grading, treatment plant building, jack and bore crossing, and finished grades. Construction staking shall consist of horizontal and vertical control points, and temporary benchmarks. Construction staking shall be provided on a one-time only basis, and be at the request of the construction contractor.

Deliverable: Provide two (2) copies of all field survey notes and computations.

**II -- CAVE ROCK/SKYLAND WATER SYSTEM IMPROVEMENT PROJECT**

**Task 1. Pre-construction**

Attend pre-construction conference and answers questions. Provide written responses as required.

Deliverable: Provide in a timely manner copies of all correspondence to County representative.

**Task 2. Shop Drawings**

Review and process all shop drawing submittals pursuant to the construction contract documents.

Deliverable: Provide two (2) copies of all approved shop drawing submittals to the County representative. Shop drawing submittals shall be delivered to the County representative no later than 5 days after approval.

**Task 3. Construction Management**

Attend meetings, verify progress payment quantities, and provide written responses to questions and requests for clarification during construction phase.

**Deliverable:** Prepare and submit a detailed monthly report documenting the above activities.

#### **Task 4. Construction Inspection**

Provide on-site inspection services for the following:

- Installation of new pump and motor.
- Installation of control valve (smart valve and controls)
- Lakeridge hydropneumatic booster station improvements
- Electrical controls at the lake pump station
- SCADA system

**Deliverable:** Prepare and submit a detailed monthly report documenting the above inspection activities. The monthly report shall include, but not be limited to:

- work completed to date
- problems encountered
- tests performed and test results
- unknown or changed field conditions
- work forces
- general observations

#### **Task 5. Startup and Testing:**

Oversee, and coordinate all operational testing and startup services as required to put control valve, water storage tank(s), Lakeridge hydropneumatic booster station, and lake pump station into full automatic, unattended operation.

**Deliverable:** Prepare and submit a detailed monthly report documenting all testing and operational procedures and test results. Provide to County representative written notification of all deficiencies and recommended actions. Upon satisfactory completion of all tests, provide written recommendation to County representative for acceptance of the work, and recommendation of Substantial Completion (as defined in the construction contract documents).

**Task 6.****Operations and Maintenance Manual**

Prepare a complete and detailed Operations and Maintenance Manual for the control valve, lake intake pump station, water storage tank(s), and associated SCADA system control system. Manual to include instructions specific to the Cave Rock/Skyland facilities, plus all record drawings, and all manufacturers operation and maintenance instructions on the equipment furnished. Manual to include an Emergency Operations Plan.

**Deliverable:** Submit four (4) copies of the O&M manual in 8 ½" x 11" three ring binders with dividers and index. The O&M manuals shall be delivered to the Douglas County representative by no later than January 31, 1997.

**Task 7. Project Completion and Close out**

Provide to County representative a punch list of all deficiencies and corrections. Upon satisfactory completion of all punch list items, provide written recommendation to County representative for acceptance of the work and recommendation of final acceptance.

**Deliverable:** Prepare punch lists as required, and Letter recommending acceptance of project.

**Task 8. Construction Staking**

Provide construction staking for underground piping (raw and treated water mains), and Lakeridge tank site grading and structures. Construction staking shall consist of horizontal and vertical control points, and temporary benchmarks. Construction staking shall be provided on a one-time only basis, and be at the request of the construction contractor.

**Deliverable:** Provide two (2) copies of all field survey notes and computations

**EXHIBIT C-4  
SCHEDULE OF COMPENSATION**

**I -- CAVE ROCK/SKYLAND WATER SYSTEM TREATMENT SYSTEM**

<b>TASK</b>		<b>FEE</b>
Task 1.	Pre-construction	\$600.00
Task 2.	Shop Drawings	\$13,390
Task 3.	Construction Management	\$17,620
Task 4.	Construction Inspection	\$13,130
Task 5.	Startup and Testing	\$12,600
Task 6.	Operations and Maintenance Manual	\$4,800
Task 7.	Project Completion and Close Out	\$1,920
Task 8.	Construction Staking	\$6,256
<b>SUBTOTAL</b>		<b><u>\$70,316</u></b>

**II -- CAVE ROCK/SKYLAND WATER SYSTEM IMPROVEMENT PROJECT**

Task 1.	Pre-construction	\$600
Task 2.	Shop Drawings	\$4,635
Task 3.	Construction Management	\$10,120
Task 4.	Construction Inspection	\$4,635
Task 5.	Startup and Testing	\$3900
Task 6.	Operations and Maintenance Manual	\$2,900
Task 7.	Project Completion and Close Out	\$1,920



Task 8. Construction Staking

\$10,580

SUBTOTAL

\$39,290

PROJECT TOTAL I and II

\$109,606

COPY

**EXHIBIT D-4  
PERIOD OF PERFORMANCE**

Contractor shall begin performance of services upon receipt of a Notice to Proceed from the County representative. Services shall be coordinated and performed in conjunction with the construction activities performed by the construction contractors, and be completed on or before April 1, 1997.

REQUESTED BY  
**DOUGLAS COUNTY**  
IN OFFICIAL RECORDS OF  
DOUGLAS CO., NEVADA

'96 MAY 10 AM 54

LINDA SLATER  
RECORDER

PAID DEPUTY

**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: May 10, 1996  
B. Reed Clerk of the Judicial District Court  
of the State of Nevada, in and for the County of Douglas.

By Carol Mullock Deputy

**SEAL**

387507

BK 0596 PG 1843