

**AMENDMENT NO. 1
TO
ENGINEERING SERVICES AGREEMENT
JACKSON SPRINGS WATER GALLERY IMPROVEMENTS
CITY OF RAPID CITY, SD
PROJECT NO. W00-944**

OWNER: Engineering Division
 City of Rapid City
 300 6th Street
 Rapid City, SD 57701

 Stacey P. Titus, P.E.
 Engineering Project Manager

ENGINEER: CETEC Engineering Services, Inc.
 P.O. Box 9014
 Rapid City, SD 57709-9014

 Greg Wierenga, P.E.
 Project Manager

Date: July 11, 2000

PURPOSE

This Amendment No. 1 modifies the work scope and fee of the Engineering Services Agreement by the between CETEC Engineering and City of Rapid City dated 4/7/00.

DESCRIPTION OF CHANGES

1. Scope of work is changed to conform with the attached "Engineering Services Proposal for Jackson Springs Water Gallery Improvements, Phases 1 and 2, City of Rapid City, SD, Project No. W00-944", dated July 7, 2000.
2. The maximum limiting fee is increased from \$8,860 to \$23,020 per the attachment.
3. Completion date is changed from 6/30/00 to 12/1/00.
4. General terms and conditions of the agreement not specifically modified by this amendment shall remain unchanged.

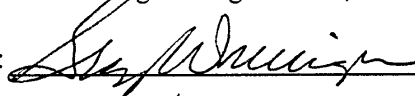
ACCEPTANCE

I hereby approve and accept this Amendment No. 1 and have received a copy of same.

City of Rapid City

CETEC Engineering Services, Inc.

By: _____

By:  _____

Date: _____

Date: 7/11/00 _____

Attest: _____

Attest: _____

Date: _____

Date: _____

**ENGINEERING SERVICES PROPOSAL
FOR
JACKSON SPRINGS WATER GALLERY IMPROVEMENTS
PHASES 1 AND 2
CITY OF RAPID CITY, SD
PROJECT NO. W00-944**

Prepared For: Engineering Division
 City of Rapid City
 300 6th Street
 Rapid City, SD 57701

Stacey P. Titus, P.E.
Engineering Project Manager

Prepared By: CETEC Engineering Services, Inc.
 P.O. Box 9014
 Rapid City, SD 57709-9014

Greg Wierenga, P.E.
Project Manager

Date: July 7, 2000

PROJECT DESCRIPTION

The project work consists of investigation, repair and/or reconstruction of a portion of the Jackson Springs water collection system. The project work will investigate the existing collection system conditions, then, subject to the findings of the investigation, repair or replace approximately 60 feet of the collection piping system including bike path manhole and spring collection structure. The following major project components are anticipated:

- Open cut excavation of a limited area near the known end of the existing 24" RCP collector line.
- Replace the bike path manhole with a new control structure to provide gallery pipe access, flow isolation capability and provision for future gallery pipe extension.
- Replace the existing 24" RCP collector pipe between the spring source and bike path manhole.
- Replace or construct a spring collector structure at the historic Jackson Spring location.
- Ancillary services associated with construction including clearing, dewatering, shoring, flow diversion, site restoration and as-built documentation.

The investigation work will generally consist of work set forth in the document *Preliminary Engineering Report for Jackson Springs Water Gallery, City of Rapid City, SD*, CETEC Engineering 6/28/00.

The proposed project will not include lining or repair of the 24" RCP collector pipe downstream from the proposed control structure, and will not include structural renovations of the gallery wet well.

SCOPE OF SERVICES

CETEC proposes the following engineering services:

Final Design

1. Perform topographic survey and utility locations for work area to supplement and update existing survey (by Black Hills Surveying 7/15/98).
2. Prepare final plans and specifications for the open cut investigation of obstruction area and spring location, including ancillary construction services.
3. Prepare permit applications for US Army Corps 404 and construction dewatering.
4. Prepare final plans and specifications for the control structure and collector pipeline to replace the bike path manhole and collector pipeline to the obstruction location.

Bid Phase

1. Develop Contractor prequalification criteria and assist with review and prequalification of Contractors.
2. Provide plans interpretations and issue addenda as needed.
3. Conduct prebid conference.
4. Review bids and provide recommendations for contract work.

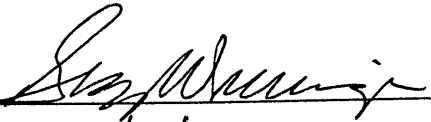
Construction Phase

1. Attend and document the preconstruction conference.
2. Review Contractor submittals for materials, equipment and methods.
3. Provide construction staking.
4. Provide periodic construction observation of investigation, and provide documentation of findings. Provide recommendations regarding expanded scope of investigation and reconstruction.
5. Provide supplemental design services for additional construction or rehabilitation of collector pipe and spring box as may be determined to be necessary as a result of investigation work.
6. Administer change order scoping and negotiations with Contractor for additional work under Item 5.
7. Document additional work and prepare as-built plans of the overall construction.
8. Provide assistance to City in evaluating Contractor performance, payment quantities and payment requests.

SCHEDULE:

Final Design	30 days after Notice to Proceed.
Bidding/Construction	As Required.

Respectfully Submitted
CETEC Engineering Services, Inc.

By: 

Date: 7/11/00