

NF
Comm Dev
Lynda Teglia

FILED
NO. 00.001

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AMENDMENT NO. 1
Contract Between Douglas County
and
JWA Consulting Engineers, Inc.
Douglas County Transfer Station and Recycle Center Project

BARBARA REED
CLERK
BY *[Signature]* DEPUTY

Whereas, on October 11, 1999, Douglas County, a political subdivision of the State of Nevada, and JWA Consulting Engineers, Inc., an independent contractor, entered into a contract for Contractor to provide engineering services for design of the Douglas County Transfer Station, design of improvements to the Fairgrounds Pump Station, design of a new water storage tank, and design of approximately 3,125 feet of off-site water line; and

Whereas, the improvements to the Fairgrounds Pump Station are not required; and

Whereas, a new water storage tank is not required; and

Whereas, the amount of off-site water line has been reduced from 3,125 feet to approximately 650 feet; and

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

- The scope of services for the Storage Tank Project is deleted, and compensation for the Water Storage Tank Project is eliminated for a reduction of \$46,350 in the contract amount.
- The Scope of services for the Pump Station Project is deleted, and compensation for the Pump Station Project is eliminated for a reduction of \$49,260 in the contract amount.
- The scope of services for the Water Line Project is replaced with the scope of services attached as Exhibit A. The compensation for the Water Line Project is reduced from \$39,600 to \$12,675 and replaced with the compensation schedule in the attached Exhibit A.
- Contractor agrees to provide the services set forth in the contract, Amendment No. 1, and Exhibit A of this amendment for a cost not to exceed a total cost of \$278,700.

[Signature]

JWA Consulting Engineers, Inc.

Dec. 21, 1999
Date

[Signature]

County Manager

12-30-99
Date

Attest:

[Signature]

County Clerk

12-30-99
Date

[Signature]

District Attorney

12/29/99
Date

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DOUGLAS COUNTY TRANSFER STATION AND RECYCLE CENTER WATER LINE PROJECT

SCOPE OF WORK

(Revised December 15, 1999)

PRELIMINARY DESIGN PHASE

Task W-1 Topographic Mapping

Review existing topographic mapping of the project area and perform additional surveying and mapping that is required to design the project. At this time, costs allocation are for one-field crew days plus one-office days.

Deliverables: Supplemental Topographic Mapping will appear on Plans

Task W-2 Utilities

Identify existing utility locations and potential conflicts. Coordinate all utility relocations with the appropriate utility company.

Deliverables: None

Task W-3 Pipeline Layout

Based upon Tasks W-1, W-2 and the Water System Analysis (Task 8 under the Transfer Station and Recycle Center Project), prepare a pipeline layout plan. Prepare a preliminary cost estimate. Submit this preliminary pipeline layout plan and cost estimate to the County, Douglas County Building Official and the East Fork Fire District Chief for review and approval.

Deliverables: Preliminary Pipeline Plan

DESIGN PHASE

Task W-4 Final Design

Prepare final design including contract documents. The Engineer's Joint Contract Documents Committee documents will be used.

Scope of Work

Work under Task W-4 will be prepared for construction of Water Lines as a part of the overall Transfer Station Project. The water line sizing and layout will be determined from the "Task 8-Water System Analysis" constructed under the Scope of Work for the Douglas County Transfer Station.

The new water lines will be sized and located to provide potable water for the Transfer Station facilities, including water for domestic irrigation and fire protection use. All pipeline design and construction shall conform to the requirements of the Douglas County Design Criteria and Improvement Standards, Part II, Division 4.

Fifty percent (50%) Design Plans shall be submitted. These plans are intended to be complete in that all major project elements are shown in enough detail that the County plan reviewers can exercise judgement and issue approval.

Once the improvements proposed as shown on the 50% design level are agreed upon and the necessary changes are incorporated, the Design Team will proceed with development of 90% plans, which will include sections and details. 90% plans shall be submitted to the County for approval.

County/Consultant meetings will be scheduled for both 50% and 90% plan submittals.

Deliverables: **50% Complete Plans and Specifications**
 90% Complete Plans and Specifications

Task W-5 Contract Documents

Prepare contract documents including construction level drawings and technical specifications. Following in-house, County and agency review of the 90% plans and specifications, the comments shall be incorporated into the Transfer Stations construction level plans, technical specifications, listing of bid items, bid schedule, and the remainder of the contract documents as follows, based upon the Engineer's Joint Contract Documents Committee:

- ▶ Advertisement for Bids
- ▶ Instruction to Bidders
- ▶ Bid Form
- ▶ Agreement
- ▶ Bonds
- ▶ Notice of Award
- ▶ General Conditions
- ▶ Supplementary Conditions to General Conditions

Scope of Work

- ▶ Exhibits
- ▶ Construction Specifications

At construction level completion, in addition to paper copy, all design drawings will be delivered to the County as electronic files in AutoCAD format. Files will be delivered using 3.5" floppy disks and CD-ROM (ISO 9660).

Deliverables:

- Electronic Files**
- Mylar Drawings**
- One unbound photo-ready set of final Contract Documents**
- Three bound sets of final Contract Documents**

Note: These documents will be incorporated and submitted as a part of the overall final contract documents and plans for the Transfer Station Project.

Task W-6 Cost Estimates

The preliminary cost estimates prepared under Tasks W-3 will be updated and integrated into the overall project cost estimate for the 50% and 90% review meetings with the County. Costs presented at the 90% review meeting will be in bid schedule format.

Deliverables:

- 50% Complete Cost Estimate**
- 90% Complete Cost Estimate**
- Construction Level Complete Cost Estimate**

PERMITTING PHASE

Task W-7 Permitting

Determine what permits will be required and which agencies will be reviewing this project. The consultant shall provide assistance to the County to prepare documents for submittal to these agencies throughout the preliminary and final design of the project.

Permit fees shall be paid by the County. It is not anticipated that the Consultant will attend any agency meetings.

Deliverables:

- Permit Applications and Supporting Documentation (Originals to Agencies, copy to County)**

Scope of Work

BIDDING PHASE

Task W-8 Pre-Bid Meeting, Reviewing Bids and Recommending Contract Award

In conjunction with the Transfer Station Project, conduct a pre-bid meeting, prepare agenda and minutes of pre-bid meeting and distribute minutes to those in attendance. Upon receipt of the bids by the County, review bids and recommend contract award.

Deliverables: **Agenda**
 Meeting Minutes
 Bid Summary
 Recommend Contract Award

Task W-9 Bid Phase Services

In conjunction with the Transfer Station Project, prepare any necessary addenda and answer question from bidders as required for the water line portion of the overall project. The County will provide the Advertisement for Bids and publishing costs.

Deliverables: **Documentation of Questions and Answers**
 Addenda (as required)

CONSTRUCTION PHASE

Task W-10 Preconstruction Meeting

Conduct, in conjunction with the Transfer Station Project, a pre-construction meeting associated with the water line. Prepare agenda and list of invitees as approved by the County. Prepare meeting minutes and distribute to County and Contractor.

Deliverables: **Agenda**
 Meeting Minutes

Task W-11 Construction Services

In conjunction with the Transfer Station Project, Douglas County shall provide daily construction inspection, materials testing, and contract administration for the water line portion of the project. JWA shall provide construction administration support services to the County as follows:

- ▶ Review and approve contractor submittals for pipeline materials.

Scope of Work

- ▶ Office construction administration as requested by Douglas County.
- ▶ Respond to requests for information during construction.
- ▶ Conduct site visits.
- ▶ Conduct an inspection at substantial completion.
- ▶ Provide construction staking.
- ▶ Prepare Record Drawings.

At this time the consultant has estimated that construction of the planned water line improvements will require five working days. For in office construction administration we have assumed a total of 28 hours.

Construction staking shall be limited to providing a baseline with X,Y coordinates related to the transfer building location and project benchmarks.

Deliverables: **Copies of Correspondence with Contractor**

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Scope of Work

Douglas County Fairgrounds Water System - Water Line Project

JWA OPINION OF PROBABLE COST FOR DESIGN SERVICES

Revised December 15, 1999

TASKS	PRINCIPAL		SENIOR ENGINEER		PROJECT ENGINEER		ENGINEER		COMPT DRAFTER		CLERICAL/EXPENSES		OUTSIDE SERVICES	DESCRIPTION	TOTAL JWA	TOTAL ALL
	Hr	\$130/Hr	\$110/Hr	\$95/Hr	\$85/Hr	\$75/Hr	\$44	\$44	\$44	\$44	\$44					
PRELIMINARY DESIGN PHASE																
1. Topographic Mapping			1.0	\$95	1.0	\$85	3.0	\$225							\$400	\$400
2. Utilities			1.0	\$95	2.0	\$170	2.0	\$150				\$75		B,C,F,M	\$400	\$500
3. Pipeline Alignment		1.0	\$110	2.0	\$190	4.0	\$340	4.0	\$300	1.0	\$44	\$100		B,C	\$1,000	\$1,100
Sub-Total		1.0	\$110	4.0	\$380	7.0	\$595	9.0	\$675	1.0	\$44	\$175			\$1,800	\$2,000
DESIGN PHASE																
4. Final Design	1.0	\$130	0.5	\$65	2.0	\$190	6.0	\$510	18.0	\$1,350	1.0	\$44	\$125	B,C	\$2,300	\$2,400
5. Contract Documents			2.0	\$190	8.0	\$880			4.0	\$176		\$200		B,C	\$1,000	\$1,200
6. Cost Estimates		0.5	\$55	1.0	\$95	2.0	\$170		1.0	\$44		\$25		C	\$400	\$400
Sub-Total	1.0	\$130	1.0	\$110	5.0	\$475	16.0	\$1,360	18.0	\$1,350	6.0	\$264	\$350		\$3,700	\$4,000
PERMITTING PHASE																
7. Permitting			2.0	\$190	4.0	\$340	2.0	\$150	1.0	\$44		\$100		C,M	\$700	\$900
Sub-Total			2.0	\$190	4.0	\$340	2.0	\$150	1.0	\$44		\$100			\$700	\$900
BID PHASE																
8. Prebid Meeting			1.0	\$95	2.0	\$170			1.0	\$44		\$50		C,M	\$300	\$400
9. Bid Phase Services		1.0	\$110	1.0	\$95	2.0	\$170	1.0	\$75	3.0	\$132	\$100		B,C,F,P	\$600	\$700
Sub-Total		1.0	\$110	2.0	\$190	4.0	\$340	1.0	\$75	4.0	\$176	\$150			\$900	\$1,000
CONSTRUCTION PHASE																
10. Preconstruction Meeting			1.0	\$95	2.0	\$170			1.0	\$44					\$300	\$300
11. Construction Services	1.0	\$130	1.0	\$110	4.0	\$380	16.0	\$1,360	3.0	\$225	3.0	\$100		B,C,F,M	\$2,300	\$2,400
Sub-Total	1.0	\$130	1.0	\$110	6.0	\$475	18.0	\$1,530	3.0	\$225	4.0	\$100			\$2,600	\$2,700
TOTAL	2.0	\$260	4.0	\$440	18.0	\$1,710	49.0	\$4,165	33.0	\$2,475	16.0	\$704	\$875		\$9,800	\$10,600

Reimbursable Expenses: B=Bluelines, C=Copies, F=FAX, M=Mileage, P=Postage

Douglas County Fairgrounds Water System - Water Line Project

FEE ALLOCATION

Revised December 15, 1999

TASKS	JWA Civil	Brian Shinnault Architect	CH2M Hill Solid Waste	Tahoe Eng. Structural	Sandra Wendel Landscape	Grinnell Fire System	Kleinfeider Geotechnical	Sandel-Avey Electrical	Turner Surveying	Materials Cost	Total
PRELIMINARY DESIGN PHASE											
1. Topographic Mapping	\$400								\$1,200		\$1,600
2. Utilities	\$400									\$75	\$475
3. Pipeline Alignment	\$1,000									\$100	\$1,100
Sub-Total	\$1,800								\$1,200	\$175	\$3,175
DESIGN PHASE											
4. Final Design	\$2,300									\$125	\$2,425
5. Contract Documents	\$1,000									\$200	\$1,200
6. Cost Estimates	\$400									\$25	\$425
Sub-Total	\$3,700									\$350	\$4,050
PERMITTING PHASE											
7. Permitting	\$700									\$100	\$800
Sub-Total	\$700									\$100	\$800
BID PHASE											
8. Prebid Meeting	\$300									\$50	\$350
9. Bid Phase Services	\$600									\$100	\$700
Sub-Total	\$900									\$150	\$1,050
CONSTRUCTION PHASE											
10. Preconstruction Meeting	\$300										\$300
11. Construction Services	\$2,300								\$900	\$100	\$3,300
Sub-Total	\$2,600								\$900	\$100	\$3,600
TOTAL	\$9,800								\$2,100	\$875	\$12,675

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Douglas County Fairgrounds Water System - Water Line Project

LABOR HOURS ALLOCATION

Revised December 16, 1999

TASKS	JWA Civil	Brian Shinault Architect	CH2M Hill Solid Waste	Tahoe Eng. Structural	Sandra Wendel Landscape	Grimmell Fire System	Kleinfelder Geotechnical	Sandel-Avery Electrical	Turner Surveying	Total
PRELIMINARY DESIGN PHASE										
1. Topographic Mapping	5.0								25.0	30.0
2. Utilities	5.0									5.0
3. Pipeline Alignment	12.0									12.0
Sub-Total	22.0								25.0	47.0
DESIGN PHASE										
4. Final Design	28.5									28.5
5. Contract Documents	14.0									14.0
6. Cost Estimates	4.5									4.5
Sub-Total	47.0									47.0
PERMITTING PHASE										
7. Permitting	9.0									9.0
Sub-Total	9.0									9.0
BID PHASE										
8. Prebid Meeting	4.0									4.0
9. Bid Phase Services	8.0									8.0
Sub-Total	12.0									12.0
CONSTRUCTION PHASE										
10. Preconstruction Meeting	4.0									4.0
11. Construction Services	28.0								20.0	48.0
Sub-Total	32.0								20.0	52.0
TOTAL	122.0								45.0	167.0

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COPY

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

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.

2000 JAN -6 AM 11: 13

DATE: January 6, 2000
B. PEED Clerk of the 9th Judicial District Court
of the State of Nevada, in and for the County of Douglas.

LINDA SLATER
RECORDER

By [Signature] Deputy

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\$ 0 PAID 12 DEPUTY

SEAL

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