CETEC
Engineering Services Inc

cetec@rushmore.com

AUTHORIZATION AND AGREEMENT FOR SERVICES

Date: January 21, 2004

CLIENT - OWNER - INFORMATION

Name: City of Rapid City

Billing Address: 300 6th Street City/State/Zip Code: Rapid City, South Dakota, 57701-2724

Contact Person/Title: Dave LaFrance, PE Phone: 605-394-5377 Ext. 220 Fax: 605-394-6636

Project Date: February 3, 2004 Project Title: Catron Boulevard Sanitary Sewer Extension
Highway 79 to 5th Street
City of Rapid City Project SS01-1052

Scope of Services: Engineering services, including preliminary design, final design, bidding and construction services per Attachment 2.

Job Location - City: Rapid City, SD County: Pennington
Estimated / Firm Completion Date: April 12, 2004
Contract Amount: Maximum Limiting Fee of $38,713.75 per Attachment 3.

CLIENT AGREES TO THE GENERAL TERMS AND CONDITIONS ATTACHED WHICH ARE A PART OF THIS AGREEMENT. PLEASE READ, SIGN AND RETURN ONE COPY TO CETEC ENGINEERING AT THE ADDRESS BELOW. WORK WILL NOT COMMENCE OR BE SCHEDULED UNTIL SIGNED AND COPIES RETURNED. THIS INSTRUMENT SHALL NOT CONSTITUTE AN AGREEMENT OR CONTRACT BETWEEN THE PARTIES UNTIL EXECUTED BY CETEC ENGINEERING SERVICES, INC.

I HEREBY APPROVE AND ACCEPT THIS AGREEMENT AND HAVE RECEIVED COPY OF SAME.

Accepted: City of Rapid City, South Dakota

By: _____ Date: _____
Mayor

Attested: _____ Date: _____
City Finance Officer

Accepted: Engineering Division

By: _____ Date: _____
Project Manager

Accepted by CETEC: _____ Date: 1-21-04
Greg Wierenga, P.E. - Principal

1830 West Fulton Street, 57702-4324 • PO Box 9014, Rapid City, SD 57709-9014 • (605) 341-7800 • Fax (605) 341-7864

ATTACHMENTS TO

AUTHORIZATION AND AGREEMENT FOR SERVICES

FOR

CATRON BOULEVARD SANITARY SEWER EXTENSION
HIGHWAY 79 TO 5TH STREET
PROJECT NO. SS01-1052

1. Request for Proposals by City of Rapid City.
2. Further Description of Services by Engineer.
3. Fee.
4. Labor Rate Schedule.

ATTACHMENT 1

CATRON BOULEVARD SANITARY SEWER EXTENSION
HIGHWAY 79 TO 5TH STREET
PROJECT NO. SS01-1052

REQUEST FOR PROPOSALS

CITY OF RAPID CITY

Engineering Division

300 Sixth Street
Rapid City, SD 57701-2724
Telephone: (605) 394-4154
FAX: (605) 394-6636
E-mail: curt.huus@rcgov.org
Direct Phone: (605) 394-5377 Ext. 216

December 23, 2003

Greg Wierenga
CETEC Engineering Services, Inc.
PO Box 9014
Rapid City, SD 57709-9014

RE: Catron Boulevard Sanitary Sewer Extension – Project No. SS01-1052
Request for Proposals

Dear Greg:

Thank you for your Letter of interest to perform the engineering design services for the Catron Boulevard Sewer Extension Project – Highway 79 to 5th Street. At the drawing that took place on December 22, 2004 in the City Attorneys Office at 2:00 pm your firm was one of five selected to submit a proposal.

The five firms selected to submit proposals were:

- Ferber Engineering Company
- CETEC Engineering
- The Alliance of Architects and Engineers
- Fisk Land Surveying and Consulting Engineers
- Dream Design International

From the proposals received, three (3) firms will be selected for interviews. Selection for interviews criteria will be based upon the content of the proposal as per our Consultant Interview and Proposal Evaluation Sheet (enclosed).

Schedule for project design is as follows:

Proposal due January 8, 2004
Three firms interviewed January 12 & 13, 2004
Firm selected January 14, 2004
Negotiations complete by January 22, Public Works Agenda deadline
Council approval February 2, 2004 and Notice to Proceed February 3, 2004
Design plans complete by April 12, 2004

I have enclosed a Request for Proposals that include the scope of services required. Six (6) copies of proposals will be due in the Engineering Division Office by 4:00 pm January 8, 2004.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Curt Huus

Enclosures
cc: Theodore J. Vore, Acting Public Works Director
Dan coon, Acting Engineering Division Manager
1052 RFP Letter.doc

REQUEST FOR PROPOSALS
for
CATRON BOULEVARD SANITARY SEWER EXTENSION
HIGHWAY 79 TO 5TH STREET
PROJECT NO. SS01-1052

PROJECT DESCRIPTION

The City of Rapid City proposes to construct Sanitary Sewer Main from Highway 79 to 5th Street. The construction shall include approximately 5,400 lf of 18" Sanitary Sewer Main and surface restoration. Generally, the proposed route will follow the south right of way line of Catron Boulevard. See the attached map of the proposed route.

Design criteria for the project shall be as contained in the "City of Rapid City Standard Specifications"; "Recommended Standards for Sewage Works" (Ten State Standards); and "Design Criteria Manual for Water Distribution Systems and Sanitary Sewer Collection Systems for the City of Rapid City" (Draft).

Additional background information includes: "Design of Gravity Sewers, MOPFD-5, ASCE/WEF", 1982; "Handbook of PVC Pipe Design", Unibell, Fourth Edition, 2001, "Wastewater Facilities Plan for Rapid City, South Dakota 1979 to 1990", by Utility Engineering Corporation; "Wastewater Facilities Plan for Rapid City, South Dakota, Addendum No. 1, 1982 to 1990", by Utility Engineering Corporation; "South Robbinsdale Neighborhood Area Future Land Use Plan"; "Fifth Street Extension Preliminary Design Report", by Ferber Engineering Company, 2000; "Fifth Street Extension Project # ST00-914" plans by Ferber Engineering Company; "Water & Sewer Reconstruction – Southeast Connector Road – Highway 79 Project # SSW02-1137" plans by FMG, Inc.; "South Robbinsdale Corridor Study", by Galyardt Associates, Inc, 1994; "South Truck Route Drainage Basin Design Plan"(Draft), by FMG and the "City of Rapid City Engineer's Estimating Guide".

The project currently has total budget of $510,000, including design and construction. Funding for the project has been identified as IDPF loan and City Water Reclamation Enterprise Funds. It is anticipated that design and construction will occur in 2004.

SCOPE OF SERVICES REQUESTED

1. PRELIMINARY DESIGN PHASE

1.1. Review information listed on the prior pages.

1.2. Establish design criteria for the components of the project.

1.3. Identify and evaluate potential utility conflicts associated with the proposed project.

1.4. Perform the following planning and design tasks:

- Perform site surveys sufficient for design plans preparation;
- Perform preliminary horizontal and vertical alignment analysis with design based on tying into future projects at both the west and east ends. Note: At the time of preparing this request for proposals, plans for sanitary sewer connections at 5th Street (west end) and at the National Guard Maintenance Shop (east end) future manholes were at 95% design; and,
- Evaluate and recommend hydrogen sulfide control and/or protection, if necessary.

1.5. Determine need for permanent and temporary easement acquisitions and assist the City with negotiations for property acquisition for temporary or permanent easements and for right-of-way required. Perform legal surveys for property acquisition, perform title searches, and prepare plats and/or easement exhibits as necessary.

1.6. Incorporate future Rearage Road alignment into the west end of the preliminary design.

1.7. Identify potential conflicts with future storm drainage conveyance elements in the South Truck Route Drainage Basin Design Plan.

1.8. Define the scope of geotechnical investigations as may be necessary for final design, assist the City in negotiation of an agreement for geotechnical engineering services, and coordinate with geotechnical engineer.

1.9. Prepare preliminary systems layouts in the form of plan and profile sheets showing proposed alignment, manholes, and locations of existing utilities in and immediately adjacent to the construction limits. Show existing utilities locations with probable depth. Show future "Rearage Road" alignment, future SE Connector Road – Highway

79 alignment, plan view and proposed right-of-way. Scale of plan & profile sheets shall be: 1" = 20' Horizontal, 1" = 5' Vertical on 22"x34" blue line copies.

1.10. Prepare Preliminary Design Report, including water main, street and utility layout maps for future systems, with recommendations for review and comment by City staff, and conduct a review meeting with City staff.

1.11. Prepare preliminary opinion of probable construction cost.

2. FINAL DESIGN

2.1. Provide complete plans and specifications for a unit price construction contract. Plan sheets shall be prepared utilizing the latest City of Rapid City Drafting Standards.

2.2. Provide additional route and topographical survey not provided in the Preliminary Design (establish land ties and bench marks, locate property corners, and field locate all existing utilities). At least two control points at each end of the project shall be tied vertically and horizontally to the existing City of Rapid City Area Monuments Control utilizing the state plane coordinate system. Topographic survey and design layout shall utilize a local datum tied to at least one of the Rapid City Area Monuments tied control points.

2.3. Construction staking information shall include either of the following formats:

2.3.1. On the Plans

- Station, offset and coordinates of all PC's, PI's, PT's, and any angle points
- Curve data
- Station, offsets and coordinates for all items of work requiring field staking
- Coordinates and description of intervisible control points

2.3.2. In tabular format on a plan sheet

- Coordinates and description of intervisible control points
- Curve data
- Coordinates of all items of work requiring field staking

Benchmark information shall be provided on each sheet.

2.4. Provide project layout plan to include proposed alignment and stationing, lot lines (front and side), landowners and addresses of all properties.

2.5. Information shown on the drawings shall be drafted to scale, except where specifically noted. Where scaled details are rendered illegible by drafting to scale, such may be drafted in symbol form and so noted.

2.6. Provide separate, special detail drawings at appropriate scale showing additional information necessary to construct the project but not shown adequately elsewhere in the drawings.

2.7. Coordinate directly with utility companies' engineering divisions to ensure that all existing utilities are completely and accurately located in the field; that pertinent information regarding depth, material, size, etc. are noted on the plans; and that conflicts requiring relocation of utilities or special construction techniques are fully specified in the contract documents.

2.8. Provide general sequence of construction requirements in order to assist bidders to prepare their bids and to coordinate utility construction to minimize interruption of service, ect.

2.9. Provide Detailed Specifications supplementing the current *City of Rapid City Standard Specifications* as necessary.

2.10. Provide Traffic Control Plans identifying detour routes and signage for various stages of construction if necessary.

2.11. Prepare opinion of probable construction cost (engineer's estimate) for the project based upon the City of Rapid City Engineer's Estimating Guide format and average bid price and engineering judgement.

2.12. Provide general provisions for dewatering, sediment control requirements, and waterway pollution prevention.

2.13. Prepare and include within the detailed specifications any permits required by the contractor for construction dewatering, etc.

2.14. Prepare any permits required by the City and SDDOT utility occupancy permit with exhibits.

2.15. Include appropriate City of Rapid City Standard Details in the plan drawings. (The City can furnish the consultant with AutoCAD drawings of these details.)

2.16. Deliver the following:

- Construction plans on 22"x34" mylar for printing by the City
- Construction plans on disk in AutoCAD 2002 format or newer
- All topographic, control, and design points in the .dwg file and in tabular format, both on disk and on a hard copy print-out
- Complete specifications on disk in Word 2002 format for printing by the City
- A unit price cost estimate on disk in Excel 2002 format (based upon the City of Rapid City Bid Items listed in the Engineer's Estimating Guide, including City bid item numbers)
- Copies of the consultant's Quantity Take Off Sheets.

2.17. Review design, plans and specifications, and permanent or temporary or easement exhibits with City staff at 65% and at 95% stages. Plan sheet size shall be 22"x34" blue line copies.

3. BIDDING PHASE

Provide the following standard bidding phase services:

- Attend Prebid Conference
- Issue addenda to the bid documents if required
- Bid tabs will be prepared by the City of Rapid City.

4. CONSTRUCTION PHASE

Provide construction management services as negotiated, which may include:

- Attend preconstruction conference and periodic progress meetings
- Attend and participate in a post construction project review and critique.

5. MEETINGS AND SUBMITTALS

5.1. Project team members will include:

5.1.1. The consultant

5.1.2. City Engineering Division staff

- Project management
- Design
- Construction coordination

5.1.3. Operations divisions staff

- Utility Maintenance (service area and O&M related issues)
- Planning Department (master planning, traffic planning)

5.2. Meetings requiring the Consultant's participation will include:

- Kick-off Meeting
- Preliminary Design Report Presentation and Discussion
- Utility companies coordination meeting
- 65% Plans and Specifications Review
- 95% Plans and Specifications Review
- Prebid Conference

5.3. Meetings the Consultant may need to attend as negotiated, which may include:

- Preconstruction Conference
- Construction Progress Meetings
- Post Construction Meeting.

5.4. Submittals required during the design phase include:

- Preliminary Design Report w/ Engineers Opinion of Probable Construction Costs
- 65% Plans and Specifications and right-of-way plats and/or easement exhibits w/ Engineers Opinion of Probable Construction Costs
- 95% Plans and Specifications and right-of-way plats and/or easement exhibits w/ Engineers Opinion of Probable Construction Costs
- 100% Plans and Specifications and right-of-way plats and/or easement exhibits w/ Engineers Opinion of Probable Construction Costs.

NOTE: Right-of-way Plats and Easement Exhibits for property acquisition should be completed prior to 95% Plans and Specifications in order to facilitate securing the right-of-way and easements prior to construction.

PROJECT SCHEDULE

Contract Negotiations Complete	January 22, 2004
Notice to Proceed with Design	February 3, 2004
Preliminary Design Submittal	March 1, 2004
65% P&S Submittal	March 15, 2004
95% P&S Submittal	March 29, 2004
100% P&S Submittal	April 12, 2004

PROPOSAL SUBMISSION

Please submit six (6) copies of your proposal no later than January 8, 2004. Interviews will be conducted on January 12 and 13, 2004.

ATTACHMENT 2

FURTHER DESCRIPTION OF SERVICES BY ENGINEER

CATRON BOULEVARD SANITARY SEWER EXTENSION
HIGHWAY 79 TO 5TH STREET
PROJECT NO. SS01-1052

The project description and scope of work shall be as defined in the document "Catron Boulevard Sanitary Sewer Extension – Project No. SS01-1052 Request for Proposals," as presented in Attachment 1. The following clarifications, conditions, additions and exclusions shall apply to the Engineer's services.

1. PROJECT APPROACH AND DELIVERABLES

A. Data Gathering and Project Familiarization

CETEC will utilize available City data and reports as defined in the Request for Proposals. The City will provide available information upon request.

B. Presentation of Alternatives

The project scope has been identified by the City Engineering Division through various design reports, documents, and recommendations. CETEC will review the project requirements and alternatives, including:

- Evaluation of flow routing to the Rearage Road east of 5th Street.
- Pipe capacity evaluation of 15" sewer main east of Highway 79 based on flows provided by the City.
- Horizontal and vertical sewer main alignments
- Evaluation of pipe bury depth
- Trunk sewer and collector sewer options, including evaluation of slope, size and location.
- Location of existing and future underground utilities within the project vicinity.
- Pipe and manhole materials.
- Manhole access in current and future right-of-way of Catron Boulevard.
- Location and type of casing crossing at Catron Boulevard.
- Right-of-way and easement requirements of selected alignments.

Each of these items will be evaluated to achieve a cost effective project that meets the current and future needs of the City while following the design criteria.

C. Design Approach

1. General.

The following activities are projected to be included in design:

- Review of information available.
  - Establish design criteria.
- Site Survey
  - Provide design survey and supplemental field investigation as required.
  - Coordinate existing utilities with utility companies for survey and for determination of conflicts with new construction.
  - Incorporate designs from 5th Street and Southeast Connector projects.
- Determine private utility depth, material, size, and the need for relocation.
  - Power
  - Gas
  - Telephone
  - Cable TV
  - Fiber optic
  - Others
- Develop geotechnical and investigation scope and coordinate with geotechnical engineer.
- Identify and evaluate potential conflicts associated with the project, including drainage elements.
- Review of alternatives and cost comparison.
- Perform preliminary horizontal and vertical alignment analysis.
- Evaluate material selection and hydrogen sulfide protection.
- Determine land acquisition needs, including temporary and permanent easements and right-of-way plats.
- Assist with property acquisition negotiations and perform property research.
- Incorporate future Rearage Road alignment into the west end of the project.
- Evaluate current and future design issues for the project, including future water main, street and utility layouts.
- Incorporate City Benchmarks and local project datums into the project.
- Prepare Construction Staking information

- Provide Preliminary Design Report, including preliminary opinion of probable construction costs and recommendations for review and comment and alternative selection by City staff.
- Meetings.
  - Review meetings.
  - Utilities coordination meeting.
  - Land negotiations.
- Final Design
  - Complete Right-of-Way Plats and easement exhibits.
  - Complete final utility plans.
  - Sequence of construction and traffic control plans.
  - Revisions per City review comments.
  - Opinion of probable construction cost.
  - Detailed specifications.
  - Permits (SDDOT, Dewatering, Dust Control, etc.).
  - Erosion Control Plan.

D. Schedule of Design Submittals and Cost Estimates

The schedule as proposed in the request for proposals appears reasonable. Opinions of Probable Cost will be submitted with each submittal.

Notice to Proceed with Design	February 3, 2004
Preliminary Design Submittal	March 1, 2004
65% Design Submittal	March 15, 2004
95% Design Submittal	March 29, 2004
100% P&S Submittal	April 12, 2004

1. Approximate Time for Completion

The proposed schedule and completion date of April 12, 2004 is achievable.

2. When Can Service Begin

Service can begin immediately following Notice to Proceed.

3. When Will Reviews Be Done

It is anticipated that reviews will be done following the Preliminary Design, 65% Design, and 95% Design Submittals. The review process is key in maintaining project schedule and direction. CETEC has assumed the City will provide review comments within three to five working days for each submittal.

4. *Right-of-Way Plats and Easement Exhibits*

It is anticipated that preliminary right-of-way plats and easement exhibits will be submitted at the 65% Design Submittal so that negotiations may begin. Final right-of-way plats and easement exhibits will be submitted prior to the 95% submittal.

E. Proposed Deliverables

Refer to the City Request for Proposals in Attachment 1.

F. Cost of Services

1. *Firm's Procedure for Handling Fees*

Billing will be on an hourly basis for labor and equipment based on the rates on the attached billing rate schedule. Typically, project contracts are on an hourly basis with a maximum limiting fee. Project travel and outside printing are reimbursable expenses. Commercial printing costs are reimbursable at actual cost.

2. *Current Hourly Rate Structure for Firm*

Refer to the 2004 rate schedule in the Appendix A.

3. *Unknown Fees to be Negotiated During Contract*

Additional work outside of the original scope and agreement may be negotiated as necessary. Work outside of the contract will be performed at the contract labor and equipment rates in the labor rate schedule.

4. *Cost / Budget Control*

Management and control of the engineering fees is important on every project and CETEC monitors the project hours on a weekly basis. Invoices are sent regularly on a monthly basis. The City Project Manager is immediately notified if work has arisen outside of the original scope.

CONTRACT EXCLUSIONS

1. Designs to prepare construction plans for separate or phased projects.
2. Roadway designs for Rearage Road and Catron Boulevard.
3. Travel outside of the local Rapid City area.
4. Construction staking, observation, administration and other construction services not identified. Consultation is limited to hours identified in the fee estimate.
5. Service area delineation and wastewater flow calculations for upstream and downstream basins. Work is limited to pipe capacity evaluation and flow splitting on the Rearage Road.

ATTACHMENT 3

FEE

CATRON BOULEVARD SANITARY SEWER EXTENSION
HIGHWAY 79 TO 5TH STREET
PROJECT NO. SS01-1052

Engineer will perform identified services on the basis of standard hourly rates plus reimbursable expenses. Total compensation will not exceed the following amounts without prior written authorization from the Owner.

Phase	Maximum Limiting Fee
Preliminary Design.	$ 17,098.75
Final Design.	17,865.00
Bidding Phase.	1,210.00
Construction Phase.	2,540.00
Total Maximum Limiting Fee.	$ 38,713.75

The Engineer may alter the distribution of compensation between individual phases of the work to be consistent with services actually rendered, but shall not exceed the total maximum limiting fee unless approved by the Owner.

FEE ESTIMATE

Project: Catron Boulevard Sanitary Sewer Extension, City of Rapid City Project SS01-1052
Prepared By: CETEC Engineering Services, Inc.
Date: January 20, 2004

TASK NUMBER and PHASE DESCRIPTION	*Principal*	*Project Manager / Engineer*	*CAD Technician*	*Clerical*	*Survey Chief*	*Survey Assistant*	
	Hours	*Hours*	*Hours*	*Hours*	*Hours*	*Hours*	
Preliminary Design Phase							
Review background information	1	8	-	-	-	-	
Establish design criteria	1	4	-	-	-	-	
Geotechnical coordination	-	4	2	-	4	4	
Identify utility conflicts	-	4	-	-	6	6	
Site survey and base plans / One Call	-	4	10	-	42	36	
Preliminary horizontal and vertical alignments	2	16	20	-	-	-	
SDDOT coordination	-	4	-	-	1	-	
Developer coordination	-	4	-	-	1	-	
Legal survey and plat / easement preparation	1	2	2	-	4	2	
Preliminary system layouts / Plan & Profile / Report	2	36	20	8	-	-	
Preliminary opinion of probable construction cost	1	6	4	2	-	-	
Client meetings / Minutes	-	4	-	2	-	-	
Supplemental pipe capacity analysis / Routing alternati	-	8	-	-	-	-	
Total Preliminary Design Hours	8	96	58	12	58	48	
Hourly Rates	$ 85.00	$ 85.00	$ 50.00	$ 30.00	$ 60.00	$ 30.00	
Total Preliminary Design Fee	$ 680.00	$ 8,160.00	$ 2,900.00	$ 360.00	$ 3,480.00	$ 1,440.00	$ 17,020.00
Travel Costs (175 miles @ .45/mile)							$ 78.75
Total Preliminary Design Phase							**$ 17,098.75**

TASK NUMBER and PHASE DESCRIPTION	*Principal*	*Project Manager / Engineer*	*CAD Technician*	*Clerical*	*Survey Chief*	*Survey Assistant*	
	Hours	*Hours*	*Hours*	*Hours*	*Hours*	*Hours*	
Final Design							
Plan and Profile drawings / notes	-	36	48	8	-	-	
Manhole Access Design	-	12	16	-	-	-	
Additional survey allowance	-	-	4	-	6	6	
Control diagram and layout drawing	-	2	4	-	4	-	
Detail drawings	-	16	16	-	-	-	
Utility coordination	-	4	-	-	-	-	
General sequence of construction	-	4	-	2	-	-	
Traffic Control Plans	-	8	8	-	-	-	
Detailed specifications / Proposal documents	1	16	-	8	-	-	
Opinion of probable construction cost	-	4	-	2	-	-	
Dewatering sediment controls, erosion	-	8	4	-	-	-	
Permit applications	-	4	-	2	-	-	
Client meetings / Minutes	1	4	-	2	-	-	
QC / Review	6	-	-	-	-	-	
Right-of-way Plats / Easements	-	2	4	-	4	-	
Total Final Design Hours	8	120	104	24	14	6	
Hourly Rates	$ 85.00	$ 85.00	$ 50.00	$ 30.00	$ 60.00	$ 30.00	
Total Final Design Fee	$ 680.00	$ 10,200.00	$ 5,200.00	$ 720.00	$ 840.00	$ 180.00	$ 17,820.00
Travel Costs (100 miles @ .45/mile)							$ 45.00
Total Final Design Phase							**$ 17,865.00**

TASK NUMBER and PHASE DESCRIPTION	*Principal*	*Project Manager / Engineer*	*CAD Technician*	*Clerical*	*Survey Chief*	*Survey Assistant*	
	Hours	*Hours*	*Hours*	*Hours*	*Hours*	*Hours*	
Bidding Phase							
Prebid Conference	-	2	-	-	-	-	
Addenda Preparation	-	4	-	-	-	-	
Bidding Consultation	-	6	2	3	-	-	
Total Bidding Hours		12	2	3			
Hourly Rates	$ 85.00	$ 85.00	$ 50.00	$ 30.00	$ 60.00	$ 30.00	
Total Bidding Fee	$ -	$ 1,020.00	$ 100.00	$ 90.00	$ -	$ -	$ 1,210.00
Total Bidding Phase							**$ 1,210.00**
Construction Phase							
Preconstruction conference	-	4	-	-	-	-	
Shop drawing review	-	12	-	2	-	-	
Construction consultation	4	8	2	-	-	-	
Total Construction Hours	4	24	2	2			
Hourly Rates	$ 85.00	$ 85.00	$ 50.00	$ 30.00	$ 60.00	$ 30.00	
Total Construction Fee	$ 340.00	$ 2,040.00	$ 100.00	$ 60.00	$ -	$ -	$ 2,540.00
Total Construction Phase							**$ 2,540.00**

Total All Phases **$ 38,713.75**

ATTACHMENT 4

CATRON BOULEVARD SANITARY SEWER EXTENSION
HIGHWAY 79 TO 5TH STREET
PROJECT NO. SS01-1052

LABOR RATE SCHEDULE

LABOR RATE SCHEDULE - 2004

CETEC Engineering Services, Inc.

Labor Rates

Greg Wierenga, P.E.	-	$85.00/hr.
Randy Sauter, P.E.	-	$85.00/hr.
Ted Schultz, P.E.	-	$85.00/hr.
Keith Peterson, RLS	-	$60.00/hr.
Engineering Technician	-	$50.00/hr.
CAD Technician I	-	$45.00/hr.
CAD Technician II	-	$50.00/hr.
Construction Observer	-	$50.00/hr.
Survey Crew Chief	-	$55.00/hr.
Survey Crew (2 man)	-	$90.00/hr.
Survey Assistant	-	$35.00/hr.
Clerical	-	$30.00/hr.

Reimbursable Expenses

Project Travel	-	$0.45/mile
Telephone, Perdiem	-	Non-Reimbursable
Blueline Printing	-	Actual Cost
Outside Printing	-	Actual Cost
Subconsultants	-	Cost plus 10%