

TO: James L. App, City Manager
FROM: Meg Williamson, Interim Public Works Director
SUBJECT: Design Services for Pipelines in South River Road
DATE: November 16, 2004

NEEDS: For the City Council to consider awarding a design contract for water & sewer pipelines in South River Road and to appropriate funding.

FACTS:

1. The City's 13th Street Bridge Widening project is currently under construction. The project is being constructed in several stages. At stage 5, (expected summer 2005) River Road, south of Creston Road, will be closed to through traffic.
2. Staff proposes to take advantage of the closure by installing the oversized water and sewer pipelines in accordance to the City's adopted Master Plans.
3. The developer of the property behind Albertson's Shopping Center (Tract 2422) has already installed the pipelines per the Master Plan (a 16-inch diameter waterline and a 27-inch diameter sewer line) along the frontage of their project. These pipelines were extended from the northerly boundary of the shopping center to just north of the Tract boundary.
4. The 13th Street Bridge Widening project will be installing a 16 inch diameter waterline and a 30-inch diameter sewer line to the south side of Creston Road.
5. It is proposed that the gap in these pipelines between the City's 13th Street project and Tract 2422 be completed when South River Road is anticipated to be closed this summer.

**ANALYSIS
AND**

CONCLUSION: A request for proposal was issued for the design work to three firms:

- North Coast Engineering – who are the design engineers for Tract 2422.
- Cannon Associates – who designed the upsizing of Templeton Interceptor Reach 2 & 4 and the parallel Thunderbird Water lines.
- URS Corporation – who designed the 13th Street Bridge Project.

All three firms responded and their scopes of work and fee proposals are attached. URS Corporation's proposal is the least costly of the three, and they are appropriately qualified to complete the requested design work.

FISCAL

IMPACT: A budget has been adopted for the Sewer Pipeline upgrade under budget Account No. 221.910.5452.494 in the amount of \$ 1,500,000.00. However, no budget has been approved for the waterline. The City Council will have to appropriate funds for the waterline to accomplish this work simultaneously with the sewer line. The Water Development Fee Study approved by the City Council included this water pipeline project in South River Road.

POLICY

REFERENCE: Water & Sewer Master Plans and Impact Fee Study.

OPTIONS:

- A. Adopt Resolution No. 04-xx to:
 - 1) Award a design contract to URS Corporation in the amount of \$14,500 to upsize the water & sewer lines in South River Road per the City's Master Plans.
 - 2) Appropriate \$1,200,000 to install a 16-inch diameter waterline in South River Road per the master plan under Budget Account No. 220.910.5452.765.

- B. Amend, modify or reject the above option.

Attachments (2)

- 1. Resolution
- 2. Scope of Work & Fee Proposals



1380 Lead Hill Boulevard, Suite 100
Roseville, California 95661-2997
Tel: (916) 784-3900
Fax: (916) 784-0211

07 October 2004

Ms. Ditas Esperanza
City of El Paso de Robles
Public Works Department
1000 Spring Street
Paso Robles, CA 93446

Subject: Water and Sewer Pipeline Design on South River Rd from Navajo Avenue to the 13th Street Bridge Widening Project

Dear Ditas:

We're pleased to present this proposal to provide the design of approximately 1,200 meters (4,000 ft) of City 400mm (16") water and 750mm (27") sewer pipe replacement, according to the City's Master Plan for these utilities, on South River Road.

It is our understanding that this work will be accomplished as a CCO to and during the S. River Rd closure of the 13th St project. We have teamed with Vaughan Surveys to provide these services to the City and believe that the URS team is most well suited to provide this design because of our knowledge and familiarity with the 13th St project, design, special provisions and construction personnel. We propose a simple and cost effective approach as follows;

Task 1 – Topo Surveys: Generally includes field surveyed cross sections of the S. River Rd section between Navajo Avenue and 13th Street (see Vaughan Surveys detailed scope of work attached to this letter). This mapping will be in metric and include the cross section of the roadway prism (since the existing and future alignments will remain in the roadway), sewer line invert elevations and record right of way information.

#2 **Draft CCO Plans and Engineers Estimate:** Utility sheets showing plan and profiles will be generated to the 50% level for review by City staff. These sheets will be additive to the current 13th Street plans and will be sequentially numbered with sheet id's (U-11 thru U-16) of the existing plan set for ease in generating and recording of the "As-built" plan set. This proposal assumes that the current Special Provisions will apply and that the estimate will rely on the current item prices generated by Whitacker Construction. Five utility plan and profile sheets are anticipated and one detail sheet may be necessary. Deliverables include 2 sets of half size and a full size plans and one estimate.

#3 **Final CCO Plans and Engineers Estimate:** After the initial plan set is reviewed by City staff, it is anticipated that a single set of red-lined plan comments would be received by URS. Minor changes or comments would be anticipated and those will be incorporated by URS into the design and a final set of plans will be generated. Deliverables include one set of full size mylar plans, one half size set of plans, final Engineers Estimate and a CD copy of the plans.

We believe that given NTP by October 18th we can diligently pursue the progress to have the CCO ready by early 2005 as follows;

Task 1 complete by 11-15-2004

Task 2 complete by 12-15-2004

City Review Period

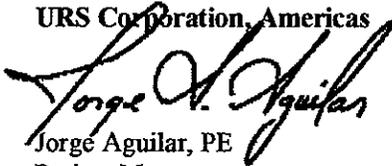
Task 3 complete within 30 days of receipt of written City comments.

The proposed budget for these services is estimated at \$4,500 for the mapping services provided by Vaughan Surveys and \$10,000 for design services, for a total of \$14,500.

We thank you for the opportunity to provide services to the City and look forward to continuing to support the City on this and future projects. Please feel free to contact us if you have any further questions or need additional information.

Sincerely,

URS Corporation, Americas

A handwritten signature in black ink, appearing to read "Jorge V. Aguilar". The signature is written in a cursive style with a large initial "J".

Jorge Aguilar, PE
Project Manager

c:File 1-A

VAUGHAN SURVEYS, INC.

1101 Riverside Avenue • Paso Robles, CA 93446
(805) 238-5725 • FAX (805) 238-5835

October 6, 2004

Mr. Jorge Aguilar
URS Greiner
1380 Lead Hill Road, Suite 100
Roseville, CA 95661-2941
(916) 784-3900 Tel • (916) 784-0211 Fax

Re: **Topographical Mapping/Surveying services for the South River Road Sewer / Water Pipeline
Paso Robles, CA**

Dear Jorge,

Thank you for the opportunity to provide you with a proposal for surveying related services for the subject project. The following proposal and scope of services is for your review.

SCOPE OF SERVICES

Vaughan Surveys proposes to perform the following services:

Topographic Mapping (Cross Sections)

Install survey control and perform topographic mapping cross sections at 16m intervals along River Road within the project area as outlined on the attached map **Exhibit "A"**. Each cross section will cover a swath across the road from hinge point to hinge point. Provide a topographic map with planimetric features and ½ meter contours in both hard copy form and a digital AutoCAD file. Field locations will also include measured invert locations on existing sewer manholes. Tree trunks and sizes will be located within the project area, but tree driplines and canopies will not be located.

Plot Rights of Way from record data

The right-of way South River Road will be calculated from record data maps and input into the AutoCAD drawing. Boundaries will not be based on an actual field survey. Sufficient boundary monumentation will be located in the field to reasonably align calculated record data.

BUDGET

Based upon review of your requirements and our experience with similar type projects, we estimate our fees for this project to be as \$4,500.

Please note that no boundary surveying is included within the scope of this proposal. We appreciate the opportunity to provide you with this fee proposal and look forward to working with you on this project. If you have any questions or need further explanations regarding this proposal, please don't hesitate to call.

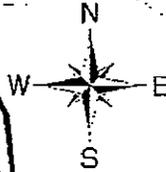
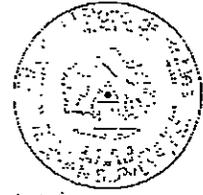
Sincerely,

Bryce Dilger, PLS

BY: _____
Client Date

Due to unforeseen occurrences or change in scope of work, actual costs could exceed this estimate. You will be notified for authorization before any additional costs are incurred. Costs will be billed on a monthly statement concurrent with our standard billing cycle. Statements are considered due and payable upon receipt. An interest charge will be applied to accounts over 90 days past due.

Exhibit "A"



Project Area

Prepared By
Vaughan Surveys, Inc.

m



October 8, 2004

Public Works Department
City of El Paso de Robles
1000 Spring Street
Paso Robles, California 93446

Attention: Ditas Esperanza, P.E.
Capital Projects Engineer

Subject: Proposal for Engineering Services
South River Road Water and Sewer Mains

Dear Ditas:

Thank you for the opportunity to submit this proposal for the construction of water and sewer mains in South River Road.

We understand that the City wishes to construct these facilities during the South River Road closure as a portion of the 13th Street Bridge Project. The new pipelines would connect the 16" water and 27" sewer pipelines constructed by Tract 2422 (designed by North Coast Engineering) with the water and sewer mains being stubbed out to South River Road by the bridge project.

The design for installation of these pipelines will be challenging. The presence of existing water and sewer facilities, a high pressure gas main, the limited width available in the roadway, and the presence of significant oak trees adjacent to the roadway require a very careful analysis of the best routing for the new pipelines. Conflicts with the existing utilities may be unavoidable and relocation may be required.

Attached for your review is our proposed Scope of Services. The initial phase of work will include a new topographic survey of the segment under consideration and will include the detailed location of all existing utility installations where they can be verified from a field survey. Utility potholing may be required in several locations, and that element is not included in our Scope of Services, but we would expect it to be provided by City forces. Additionally, we understand that the City will provide for an 8-hour closure of the road to allow our survey crews to conduct their work without the need for on-site traffic control.

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City of El Paso de Robles
October 8, 2004
Page Two

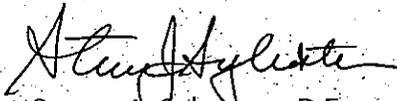
The remainder of the work includes the specific design, including preparation of final plans, specifications, and a construction cost estimate. Specifications would be limited to those items that are not already included in the City's contract for the 13th Street Bridge construction. All work will be performed in metric units to be consistent with the Bridge Project. The final deliverables will include the original full-size mylar plans, an electronic copy in AutoCad format on CD, and the specifications in Word format.

We estimate that the survey and design process will take approximately 10-12 weeks, including a two week allowance for plan check review by the City. Additional time may be necessary if utility potholing is required.

Our fee for the basic Scope of Work is proposed on a time and materials basis not to exceed \$21,785.00. Additionally, we have provided optional construction engineering services in an amount estimated at \$1,605.00. All work would be billed in accordance with our 2004 Fee Schedule, which is attached for your information.

Thank you again for this opportunity, and please feel free to contact us if there are any questions regarding this information.

Sincerely,



Steven J. Sylvester, P.E.
President

SJS/jms
Enclosures



NORTH COAST ENGINEERING, INC.

Civil Engineering • Land Surveying • Project Development

**PROPOSAL
FOR
CITY OF PASO ROBLES
SOUTH RIVER ROAD -WATER AND SEWER PIPELINES
TRACT 2422 TO 13TH STREET BRIDGE
OCTOBER 8, 2004**

I.	<u>TOPOGRAPHIC MAPPING (METRIC)</u>	\$ 5,050
	A. South River Road Cross Sections at 50' Intervals and Locate Existing Oak Trees, Water, Sewer, Utilities	
	B. Office Time - Draft Existing Features/Topo	
II.	<u>UNDERGROUND IMPROVEMENT PLANS (METRIC)</u>	\$11,300
	A. Design Sewer Layout	
	B. Design Water Layout	
	C. Plan and Profile Sheets at 1:500 Horizontal & 1:100 Vertical	
	D. Title Sheet and General Notes	
	E. Design Details	
	F. Specifications	
III.	<u>DESIGN COORDINATION</u>	\$ 2,875
	A. Progress Review/Submittal Meetings – City of Paso Robles	
	B. Site Review/Design Constraints	
	C. Coordination with Utilities	
	D. Coordination with URS	
IV.	<u>ESTIMATES</u>	\$ 1,060
	A. Prepare Itemized Bid List	
	B. Prepare Cost Estimate	
V.	<u>QUALITY CONTROL</u>	\$ 1,500
	A. Plan Checking	
	TOTAL ESTIMATED DESIGN FEE	<u>\$21,785</u>

I:\Proposal\Paso-Sewer and Water-Tract 2422 to Creston.doc

ADDITIONAL SERVICES (OPTIONAL)

VI.	<u>CONSTRUCTION ENGINEERING</u>	\$1,605
A.	Attend Pre-Job Meeting	
B.	Contractor Coordination/Plan Interpretation (8 hours budgeted)	
C.	Record Drawing Preparation	

NOTES

- (1) The portion of South River Road requiring topographic mapping is approximately 2,750 feet. For the safety of workmen, this proposal is based on the assumption that survey crews can gather information in South River Road during an 8-hr. road closure between Navajo and Creston Roads.
- (2) This proposal is based on having existing water main and high pressure gas main located in field prior to topographic mapping. NCE will attempt to coordinate the concurrent field location (USA) and topographic mapping of utilities during the 8-hr. road closure.

CLIENT RESPONSIBILITIES

Soils/Trench Compaction Testing
Utility Relocations/Design Fees/Potholing
Permits
Construction Staking
Arborist Report/Recommendations
Road Closure, Signage and Notification
Soil Borings

DELIVERABLES

24"x36" Mylar Plans and ACAD CD
Specifications in Word Format



FEE SCHEDULE

January 1, 2004

	<u>CLASSIFICATION</u>	<u>HOURLY RATE</u>
	Principal Engineer	\$ 130.00
	Principal	\$120.00
	Senior Civil Engineer	\$ 110.00
O	Civil Engineer	\$ 95.00
F	Project Manager	\$ 95.00
F	Registered Land Surveyor	\$ 95.00
I	Project Engineer	\$ 90.00
C	Assistant Engineer	\$ 75.00
E	Senior Engineering Technician	\$ 60.00
	Engineering Technician	\$ 45.00
	Secretarial / Clerical	\$ 40.00
F	Construction Inspector	\$ 70.00
I	Construction Inspector – Prevailing Wage	\$ 80.00
E	Two-Man Survey Crew	\$ 135.00
L	Two-Man Survey Crew – Prevailing Wage	\$170.00
D	One Man GPS Crew	\$155.00
	Two-Man GPS Crew	\$180.00

REIMBURSABLE EXPENSES

- Actual cost of long distance telephone calls, express charges, postage, outside reproduction and survey supplies.
- Cost + 10% for outside professional consultants required for the work.
- Mileage at the rate of \$.40/mile.
- In-house reproduction and telecommunications costs as follows:

Ricoh 870 Prints	\$.30 / Sq.Ft.	Mylar	\$3.00 / Sq.Ft.
Vellum	\$1.75 / Sq.Ft.	HP 1050C Color Plots	\$1.00 / Sq.Ft.
Photocopies	\$.20 / each	Facsimile (transmit)	\$1.00 / Sheet



ENGINEERS
 PLANNERS
 SURVEYORS

October 7, 2004

Ms. Ditas Esperanza, PE
 Capital Projects Engineer
 City of Paso Robles
 1000 Spring Street
 Paso Robles, CA 93446

RECEIVED

OCT 08 2004

Public Works Dept

PROJECT: 13th Street Bridge Project, Water and Sewer Upsizing

Dear Ditas:

We appreciate the opportunity to provide this proposal for the upsizing of water and sewer lines in South River Road. At first glance, this project looks like a relatively simple pipeline replacement. However, there are several conditions that could make this design complex:

- Constructability and water/sewer line separation will be an issue, as the road is narrow with a near vertical cut/fill slope on either side. The side slopes may also affect the location of appurtenances such as blows offs and air vacs.
- Soil stability will need to be addressed for trench shoring since the pipe lines could be up to 20 feet deep in certain areas.
- Pipe materials will need to be evaluated and selected carefully due to the winding alignment of the road.
- The entire roadbed may need to be replaced due to the depth of the sewer line and the width needed for trench lay-back.
- The design should be able to accommodate the future extension of the Nacimiento water line through this area as well.

This project is similar to the Templeton Interceptor and the Thunderbird waterline projects, with long reaches of sewer and water lines. My experience with those projects will be useful in guiding design efforts for this project as well. I will be project manager, and Tom Martin will be the project engineer. He is a registered civil engineer with five years of experience with utility design and relocation. Tom has discussed this project with you several times and has a through understanding of the design challenges this project will present.

This project is to be constructed in early 2005, to take advantage of the planned closure of South River Road for the 13th Street Bridge project. We appreciate that one of your top priorities for this project is making sure the design is prepared in time to coordinate with the planned road closure, and we are prepared to begin work on the project upon your written authorization to proceed.

If this proposal meets your approval, please forward the City's Consultant Service Agreement for our review and signature. We are looking forward to working again with you and the City. If you have any questions, please contact me at your convenience.

Sincerely,

Larry P. Kraemer, P.E.
 Senior Civil Engineer

364 PACIFIC STREET
 SAN LUIS OBISPO, CA
 93401

805-544-7407
 FAX 805-544-3863

5001 CALIFORNIA AVENUE
 SUITE 120
 BAKERSFIELD, CA 93309

661-328-6280
 FAX 661-328-6284

www.cannonassoc.com

PROVIDING SERVICE SINCE 1976

Work Program

Cannon Associates' approach to accomplishing the project objectives includes providing professional services in multiple tasks. Phase I, Design Development Services, includes fundamental project research and data collection as well as project meetings and coordination efforts necessary to assist the City in determining the project scope and specific improvement strategies. This phase includes topographic surveying, utility research and geotechnical coordination; preliminary engineering for the water and sewer main reaches, and culminates with the submittal of 75 percent Design Plans. As shown on the enclosed Project Schedule, the tasks in this phase will take approximately 44 working days (9 weeks) to complete.

Phase II, Construction Documentation Services, includes the preparation and submittal of 95 percent Construction Plans, Technical Specifications and Cost Estimates (PS&Es), a project pre-bid meeting, and preparation of Final Construction PS&Es for the proposed water and sewer improvements. This phase culminates with the delivery of a Final Construction Documents package to the City for bidding and construction purposes. As shown on the enclosed Project Schedule, the tasks in this phase will take approximately 29 days (6 weeks) to complete.

The specific work efforts anticipated for these phases are further defined below:

Phase I: Design Development Services

Task 1 Project Research

Cannon Associates will research and collect available record information pertaining to the existing water and sewer facilities, and pre-design information. Information on alternative construction and installation methods will be researched and evaluated for use in the preliminary engineering tasks. Cannon Associates will compile relevant project design criteria such as the City of Paso Robles Standard Specifications and Drawings, the Standard Specifications for Public Works Construction (Green Book), and the City's Water and Sewer Master Plans. A thorough review of this record information and development criterion will provide Cannon Associates with essential project background necessary for assisting the City in developing the project scope.

Task 2 Site Reconnaissance and Geotechnical Investigation

Cannon Associates will perform a detailed Site Reconnaissance and gather information regarding the water and sewer main reaches. The reconnaissance will focus on constructability and soil stability issues as they relate to design development. Sewer manholes and mains, water mains, by-pass options, appurtenance placement, and other observable project constraints and general conditions will be identified and inventoried for discussion. This project will require extensive trenching and may involve removal of a good portion of the existing road bed. We will evaluate other means of construction (such as pipe bursting) that may facilitate less road removal and replacement.

We will coordinate with the public and private utility providers with existing facilities within the proposed alignment and obtain record drawings and as-built information. We will use this information to review feasibility of alternative means of construction, and we will incorporate it into the design plans.

We will coordinate with Earth Systems Pacific to complete a geotechnical investigation of the site. Earth Systems will complete borings in the road to evaluate subsurface conditions to the

depths where the pipelines are planned. They will provide recommendations regarding criteria for thrust blocks, trench backfill criteria, and site drainage. They will also perform corrosivity testing to develop recommendations to mitigate pipeline corrosion.

Performing this research and investigation prior to the Project Kickoff Meeting will enable us to tailor the preliminary design discussions and recruit early participation and resolution coordination from the City personnel and the other attendees of the Project Kickoff Meeting.

Task 3 Project Kickoff Meeting

Cannon Associates will orchestrate and attend a Project Kickoff Meeting with personnel from the City Engineering and Public Works Departments and representatives from available utility companies and concerned public agencies. The agenda for this meeting will focus on project understanding, team involvement, and the anticipation of design development impediments. The meeting will include a project introduction, a review of the background information and the Site Reconnaissance findings, a determination of the preliminary project scope, and the establishment of a project schedule. This meeting represents a key opportunity for the City Engineering and Public Works Departments to steer the consultant team and determine the initial elements of the project scope.

Task 4 Topographic Survey

Cannon Associates will provide Topographic Surveying as needed to support project design and construction document preparation. For the proposed sewer and water line route, Cannon Associates will prepare a topographic survey, compiled by conventional methods. The topographic survey will locate and measure the ground surface features of the lift station site and a 50-foot width swath centered along the proposed route. For horizontal control, measurement will be made and survey data collected for the existing road. We will plot existing easements from record document information to illustrate the relation to the existing sewer main alignment. The field data will be correlated with relevant previous survey information (as available).

The Topographic Survey Map will be prepared with 5-foot index contours and 1-foot intermediate contours at a margin of error less than one-half the contour interval. The mapping will be produced in U.S. Customary units at a scale of 1" = 40' with coordinates and elevations based upon California State Coordinate System and City of Paso Robles Vertical Datum. If necessary, we can prepare the topographic survey in metric units to coordinate with the 13th Street Bridge Project.

Task 5 Boundary Survey

We will prepare a boundary survey showing boundary lines, giving length and bearing (including reference or basis) on each straight line; interior angles; radius, point of tangency and length of curved lines.

The Boundary survey will give area in square feet if less than one acre, in acres (to .001 acre) if over one acre. It will note identity, jurisdiction and width of adjoining streets and highways, width and type of pavement, anticipated street widenings, and identify landmarks. The survey will show recorded or otherwise known easements and rights-of-way; state the owner of right of each. We will note possibilities of prescriptive rights-of-way and the nature of each.

The estimate for the boundary survey is based on the following assumptions:

- Record information is indexed in the County Recorder's office.
- Record information accurately represents existing monumentation and promotes the normal progress of the survey.
- Existing monumentation is accessible and uncompromised.
- Title information provided is without defect.
- Final property corners will be set before the construction of any buildings, or as needed to complete construction.
- The client will provide centerline monument wells. The surveyor will provide stamped brass caps for placement into these monument wells.

Task 6 Design Plans (75%)

Based on the project scope determined during previous tasks, Cannon Associates will prepare a Design Plans package for submittal. This submittal package will contain water and sewer main improvement Design Plans at a design and detail level approximately equal to 75 percent of the anticipated final construction documents. These plans will illustrate and specify the type, size, appearance, and quality of proposed improvements intended for the entire project sufficient for City review and comment. If necessary, we can prepare the plans in metric units to coordinate with the 13th Street Bridge Project. Draft Project Specifications and a Preliminary Cost Estimate based on the 75 percent Design Plans will be included in the package. Cannon Associates will submit, track, and process the Design Plans package through the City and appropriate utility companies and public agencies.

Task 7 Project Progress Meeting (75%)

As the prime consultant, Cannon Associates will coordinate and attend a Project Progress Meeting with the City project team members. The intent of this meeting will focus on the project progress and the required modifications, and review comments generated from the 75 percent Design Plans Package submittal. The meeting will be scheduled in accordance with the collection of all project review comments. The goal of this meeting will be to solidify the project scope, further define the extents of the proposed improvements, identify and confirm the direction for the remaining tasks, provide a review of the project schedule, and establish the critical path for construction document preparation and final project approval. This meeting represents another key opportunity for the City to direct the consultant team and oversee the construction document preparation phase.

Phase II: Construction Document Services

Task 8 Construction Documents (95%)

Based on the project scope finalized through the preceding tasks, Cannon Associates will prepare a 95 percent Construction Documents package for submittal. This submittal package will contain detailed water and sewer main improvement Construction Plans and Specifications at a design and detail level equal to 95 percent of the anticipated final construction documents. These plans will be presented for City and agency review on temporary drawing medium (bond prints). These plans will incorporate the review comments of the 75 percent Design Plans package and provide construction level designs and specifications for the entire project sufficient for final project review and construction bidding. We will also include 95 percent Project Specifications, Bid Quantity Estimate, and Cost Estimate documents, incorporating required revisions from the 75

percent Design Plans submittal in the 95 percent Construction Documents package for final review and comment.

Task 9 Project Pre-Bid Meeting (95%)

Cannon Associates will coordinate and attend a final Project Progress Meeting with select project team members, utility companies, and concerned public agencies. This meeting will focus on the final review comments generated by the 95 percent Construction Documents package review. The goal of this meeting will be to address all unresolved issues impeding the final project approvals and to discuss remaining approval processes and construction commencement time frames. We anticipate that resolutions from this meeting will allow for final construction document preparation without further design changes. The City Engineering and Public Works Departments may use this meeting as the final key opportunity for project delivery oversight and construction management planning.

Task 10 Final Construction Documents

Based on the finalized project design issues resolved through the proceeding tasks, Cannon Associates will prepare and submit a Final Construction Documents package. This submittal package will contain 100 percent complete water and sewer main improvement Construction Plans and Specifications on permanent drawing medium (mylar film). These plans will incorporate the review comments of the 95 percent Construction Documents package and provide construction level designs and specifications for the entire project sufficient for final project approvals and entity signatures. The 100 percent Project Specifications, Bid Quantity Estimate, and Engineer's Cost Estimate documents, incorporating required revisions from the 95 percent Construction Documents submittal, will also be included in the Final Construction Documents package for approval. Cannon Associates will assist the City with final signatures and provide reproducible copies of the Final Construction Documents as required. Digital computer drawing files of the Final Construction Documents will be submitted to the City in AutoCAD (version 2000 or 2002) and Microsoft Word formats for the City's internal use.

Additional Services

The following services are not included in this current scope of work of this proposal, but they are available as additional services upon request:

Bid Support: Cannon Associates can provide bid support services to the City as requested, including written responses to bidding questions, review of bids, and contractor selection recommendations.

Construction Engineering: Cannon Associates can provide Construction Engineering services as directed by the City, including review of shop drawings for compliance with the construction documents and responses to the City's or contractor's requests for information and/or clarifications.

Final Inspection: Cannon Associates can provide a Final Inspection of the completed project as directed by the City. This service may include participation in the creation of a project punch-list and recommendations for corrections and/or completions of remaining work.

Record Documents: Utilizing as-built information and project revision documentation provided by the construction contractor, Cannon Associates can prepare and submit project Record Drawings on permanent drawing medium (mylar film). These plans will be based on the

finalized Construction Documents and will incorporate the as-constructed survey data with changes made during the construction of the project for City archiving and future reference purposes.

Assumptions and Exclusions

The following assumptions and exclusions apply to this proposal:

- All archeological, botanical and biological project services are excluded from this scope.
- This proposal does not include a hydraulic network analysis for the project or design of new drainage facilities.
- A demolition plan has not been included in our scope
- Additional work will be billed on a Time and Materials basis or as an addendum to this proposal with prior written authorization from the City.

Fees

Fees do not include City or County checking and recording fees, or title company fees.

Total Fees: **\$88,650.00**

RESOLUTION NO. 04-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
APPROPRIATING FUNDING TO INSTALL A MASTER-PLANNED WATERLINE IN SOUTH
RIVER ROAD AND TO ENGAGE THE SERVICES OF URS CORPORATION

WHEREAS, the City's 13th Street Bridge project is currently under construction and as part of Phase 5 of the project, South River Road south of Creston Road will be closed to through traffic; and

WHEREAS, the City's Water and Sewer Master Plans identified the need to upsize the water and sewer pipelines in South River Road; and

WHEREAS, portions of these pipelines have been (Tract 2422), or will be constructed (in conjunction with the 13th Street bridge project); and

WHEREAS, it is proposed that the gap in these pipelines between the City's 13th Street bridge project and Tract 2422 be constructed during the planned closure of South River Road; and

WHEREAS, three engineering firms submitted proposals for the design work; and

WHEREAS, URS Corporation has submitted a scope of work and fee proposal to design these pipelines that is the least costly of the three, and URS Corporation is qualified to complete the requested design work.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. That the City Council of the City of El Paso de Robles does hereby appropriate \$ 1,200,000 to install a 16-inch diameter waterline in South River Road under Budget Account No. 220.910.5452.765.

SECTION 2. That the City Council of the City of El Paso de Robles does hereby authorize the City Manager to engage the services of URS Corporation to design these pipelines in the amount of \$14,500.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 16th day of November 2004 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Frank R. Mecham, Mayor

ATTEST:

Sharilyn M. Ryan, Deputy City Clerk