Agenda Item B.2
CONSENT CALENDAR
Meeting Date: May 6, 2008

TO: Mayor and Councilmembers

FROM: Steve Wagner, Community Services Director

CONTACT: Rosemarie Gaglione, Senior Project Manager

SUBJECT: Amendment to Professional Services Agreement for the San Jose Creek Capacity Improvement Project

RECOMMENDATION:

A. Authorize the City Manager to execute Amendment No. 1 to the Professional Services Agreement with Penfield & Smith for Preliminary Engineering/Environmental Review of the San Jose Creek Capacity Improvement Project in an amount not to exceed $315,951.
B. Extend the contract period to June 30, 2010.

BACKGROUND:

Overflows from San Jose Creek during flood events impact a large portion of the Goleta Old Town area. A project to eliminate the overflows and associated flood impacts is included in the Goleta Old Town Implementation Plan and has been identified as a priority capital improvement project by the Redevelopment Agency Board.

In March 2007, a professional services contract was awarded to Penfield & Smith Engineers (P&S) in the amount of $665,845 for Final Design Services and completion of the Environmental Document. Due to a change in the scope of the project, and the additional work that will be required, an additional appropriation In the amount of $315,951 is requested.

DISCUSSION:

The original scope of the San Jose Creek Capacity Improvement Project, selected through the alternatives analysis, included the reconstruction of the existing Hollister Avenue Bridge over San Jose Creek and the removal of approximately 300 feet of the existing concrete trapezoidal channel near Hollister Avenue. This section of channel is proposed to be reconstructed with vertical sides and a natural channel bottom.

A comprehensive hydraulic analysis of the proposed project was performed by P&S to determine the resulting floodplain limits. The plans reached the 35% complete stage

and the Mitigated Negative Declaration/Environmental Assessment (MND/EA) was completed and approved by the Planning Agency in April 2008. The Conditional Letter of Map Revision (CLOMR) application was submitted to FEMA.

When the City of Goleta went to the County Board of Supervisors to enter into a MOU regarding partial County funding for the project, the Board asked that the City of Goleta include fish passage in the design.

The City formed a Fish Passage Workshop Group and hired Ed Zapel, an engineer specializing in fish passage and barrier removal design. The result is a project that will hold the 100 year flows and provide for fish passage. An addendum to the final MND/EA was written to account for the design changes necessary to incorporate fish passage. The MND/EA Addendum was approved by the Planning Agency on April 15, 2008.

Much of the work that had been done prior to the requirement to include fish passage had to be redone. The Hollister Avenue Bridge was going to be replaced. Even though the channel plans were at the 35% stage, the bridge plans were at the 65% level. CH2MHill had already completed $87,000 of work on the design. The new design will cost $91,000.

The original design approach for supporting the channel walls was to use piles, lagging and tiebacks. Fugro completed $54,000 worth of work on that portion of the design effort. Now that the design has changed, a soil nail construction approach to supporting the walls is needed. Penfield and Smith are subcontracting that portion to TerraSearch, Inc, a firm with expertise in soil nail technology. This effort will cost $76,000.

The unanticipated studies and hydraulic analysis required for Penfield and Smith to arrive at the new design concept for the fish passage cost $62,000. There is still approximately $20,000 worth of hydraulic analysis needed to refine the design.

The new design calls for widening the channel on the east side, and Caltrans will need to relinquish some of their right of way to the project. This will require a detailed boundary survey and title description. Two companies, 1). Schott and Company and 2). Hamner, Jewell and Associates are being subcontracted to handle land appraisals and acquisition. The combined cost will be approximately $58,000.

The additional work items are summarized below:

Design Work	**Previous Design**	**Redesign**
Bridge Design	$92,000	$96,000
Structural Support	$57,000	$80,000
Out of Scope Work		$62,000
Additional Hydraulic Analysis		$20,000
Additional Appraisal and Acquisitions		$57,950
TOTAL		**$315,950**

Even though the design costs have increased substantially, the construction cost is holding constant, even with the inclusion of a fish passage component. Not having to replace the bridge will save over $2,000,000. The City had planned to incorporate fish passage in the future but by doing it at the same time as the flood control project the City will not have to spend additional design and construction dollars in the future.

Considerable effort and patience was applied to the project by all parties involved and especially Penfield and Smith. Ten months after the approval of the original MND/EA we are once again at the 35% plan level.

Staff is recommending the project scope be revised to formally include fish passage in the San Jose Creek Channel; the original scope of the contract did not include this effort. The additional cost to do the additional design, hydraulic analysis, revised construction approach and value engineering will increase the contract by $315,951 from the original cost of $665,845 to $981,796.

GOLETA STRATEGIC PLAN:

The San Jose Creek Channel Capacity and Fish Passage Improvement Project is the highest priority capital improvement project for the City of Goleta and is consistent with the goal in the Goleta Strategic Plan entitled **"**EMPHASIZE OLD TOWN REVITALIZATION." The increased flood conveyance capacity of the channel will allow for the redrawing of the 100 year FEMA flood hazard map which will encourage commercial and residential investment in Goleta Old Town.

FISCAL IMPACTS:

The current P&S contract value is $665,845 for final design engineering, environmental review and the additional hydraulic analysis. An amendment to the professional services contract with P&S in an amount not to exceed $315,951 to account for all of the project revisions and moving forward with a new design concept is recommended. Penfield and Smith have done a commendable job of "going with the flow" on this project as we all worked toward creating a concept that would satisfy the concerns of all stakeholders. A copy of the proposed P&S contract amendment and cost proposal is included as Attachment C to this report. If approved, the revised total contract amount would be $981,796.

The addition of a fish passage component keeps the County on board as a funding partner and eliminates fish passage as an issue to address during the permit application process.

The FY 2008-09 Capital Improvement Program Budget includes CDBG and RDA funds for the final design effort.

Submitted By:	Reviewed By:	Approved By:
_____	_____	_____
Steve Wagner Community Services	Michelle Greene Acting Administrative Services Director	Daniel Singer City Manager

ATTACHMENTS:

1. March 5, 2007 Agenda Report
2. Revised Scope of Services
3. Amendment No. 1 to Penfield & Smith contract for Preliminary Engineering/Environmental for the San Jose Creek Capacity Improvements Project

ATTACHMENT 1

March 5, 2007 Agenda Report

CITY OF GOLETA

Agenda Item RDA.2
DISCUSSION/ACTION ITEM
Meeting Date: March 5, 2007

TO: Redevelopment Agency Chair and Members

FROM: Steve Wagner, Community Services Director

CONTACT: George Amoon, Project Manager

SUBJECT: Professional Services Agreement for the San Jose Creek Capacity Improvement Project

RECOMMENDATION:

Authorize the City Manager to execute a Professional Services Agreement with Penfield & Smith Inc. for Final Design Services for the San Jose Creek Capacity Improvement Project in an amount not to exceed $665,845.

BACKGROUND:

Overflows from San Jose Creek during flood events impact a large portion of the Goleta Old Town area. A project to eliminate the overflows and associated flood impacts is included in the Goleta Old Town Implementation Plan and has been identified as a priority capital improvement project by the Redevelopment Agency.

The scope of the project, selected through a comprehensive alternatives analysis, includes the reconstruction of the existing Hollister Avenue bridge over San Jose Creek and modifications to the existing concrete flood control channel from Hollister Avenue to its terminus near the Twin Screens Drive-In property on South Kellogg Avenue. Construction of the proposed project would significantly increase the storm flow capacity of the bridge and flood control channel.

In December 2004, a professional services contract was awarded to Penfield & Smith Engineers (P&S) for preliminary engineering design and environmental review. As part of this effort, P&S performed a comprehensive hydraulic analysis of the proposed project to determine the resulting floodplain limits. The analysis showed that construction of the proposed improvements would significantly reduce the regulatory flood plain area associated with the San Jose Creek Overflows. Preliminary plans showing the proposed improvements and revised floodplain is included in Attachment A.

A draft mitigated negative declaration (MND) environmental document for the project has been prepared and is proposed for release for public review in March 2007 with an

environmental hearing tentatively scheduled as part of the public review process. Certification of the MND and approval of the City development plan permit are anticipated in June 2007. Approval of the local land use permit by the City and coastal development permit by the California Coastal Commission is anticipated in Fall 2007. Other State and Federal permitting are proposed to occur simultaneously in order to initiate construction as proposed by Spring 2008. Attachment B provides the current proposed project schedule.

DISCUSSION:

A request for proposals (RFP) for final engineering design was issued by the City on January 22, 2007. A proposal for final design services was submitted by P&S (Attachment C) in response to the RFP. The P&S final design team would be led by the same individuals who have worked with City staff on the preliminary engineering/environmental review phase of the project which has progressed on time and within budget. P&S's performance and experience on this project make them the most qualified firm to complete final design phase of this project.

Although the final design phase of a project is typically not initiated until the environmental review phase is completed, staff recommends that a professional services agreement for final design services be approved at this time in order to keep the project on schedule for construction in Spring 2008. Delaying the initiation of construction beyond Spring 2008 would cause delay of construction by a full year since construction activities within the creek is scheduled for six months during the dry season months of April to October. Avoiding construction within the creek during the wet season months of November through March is necessary and important not only because numerous additional State and Federal permits would need to be approved causing potentially significant delay to the project but also significant environmental issues would likely arise as a result also causing significant delays and increases in total costs.

ALTERNATIVES:

The Council may elect not to approve the proposed agreement with P&S for final design, right of way engineering and right of way acquisition services at this time and wait for the certification of the environmental document. However, delaying the initiation of final design would impact the project schedule and could delay construction by a full year.

FISCAL IMPACTS:

The P&S proposal includes a total of approximately 4,900 labor hours totaling $665,845 to complete this phase of the project. The current total estimated construction cost of the project is $11.3 million. The proposed final design fee would amount to approximately 6% of the total estimated construction cost. Design costs on similar sized projects typically range from 5% to 10%. Staff has reviewed the proposed scope

and costs associated with the final design effort in detail and recommend approval of the agreement.

The adopted FY 2006-07 budget includes $293,757 for this project ($210,638 in RDA funds and $83,119 of CDBG funds). Of this amount, approximately $200,000 is available for final design services in this fiscal year. No additional budget appropriation is necessary at this time. A new appropriation for the completion of final design will be included in the FY 2007-08 budget.

Submitted By:	Reviewed By:	Approved By:
Steve Wagner Community Services	Michelle Greene Administrative Services Director	Daniel Singer City Manager

ATTACHMENTS:

A. Revised Floodplain Map and Preliminary Plans for San Jose Creek Capacity Improvement Project
B. Current Proposed Project Schedule
C. Penfield & Smith Cost Proposal for Final Design, Right of Way Engineering and Right of Way Acquisition Services

ATTACHMENT 2

Penfield and Smith Proposed Scope of Services

Penfield & Smith

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Santa Barbara, CA 93101

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www.penfieldsmith.com

Santa Barbara
Camarillo
Santa Maria
Lancaster

Civil Engineering
Land Surveying
Land Use Planning
Construction Management & Inspection
Traffic & Transportation Engineering
Transportation Planning
Structural Engineering

March 6, 2008

W.O. 15581.03

Mr. Steve Wagner, Community Services Director
Attn: Rosemarie Gaglione, Senior Project Manager
City of Goleta
130 Cremona Drive, Suite B
Goleta, CA 93117

Subject: San Jose Creek Capacity & Fish Passage Improvement Project Revised Phase 3 Cost Proposal to Include Fish Passage Work Tasks and Cost to Complete

Dear Steve,

Penfield & Smith appreciates the opportunity to submit this cost proposal to the City of Goleta for final design of the San Jose Creek Capacity Improvement Project – Phase III including Fish Passage. This proposal includes the work needed to complete the project design and prepare bid documents for the San Jose Creek Capacity Improvement and Fish Passage Project as defined in the February 2008 Addendum to the Mitigated Negative Declaration.

We look forward to continuing to work on resolving new challenges that will face this project as it moves concurrently through the public portion of environmental review, permitting, final design and right of way acquisition. We are committed to working with the City and Flood Control to assist with resolution of issues and preparation of the documents needed to move this project to construction.

UNDERSTANDING OF PROJECT REQUIREMENTS

The Fish Passage design for the San Jose Creek Capacity Improvement Project has been developed as a cooperative effort involving Penfield & Smith, Ed Zapel, City staff and the City's Fish Passage Group of stakeholders.

The work in this proposal builds on the work completed during Phases 1 and 2 as well as the work included in Phase 3 both before and after the addition of the Fish Passage component. This revised cost proposal is based on the project as defined in the draft addendum to the mitigated negative declaration. We have not included scope of work to replace the Office Bridge defined as an option in the negative declaration. We can provide bridge design services if needed.

The revised cost proposal is based on the schedule included in this proposal with construction bidding occurring during January 2009. The schedule is based on all of the process and permitting steps needed to move this project forward to bidding occurring in 2008 as planned. The process and permitting steps will be the greatest challenge to project construction in 2009. We will assist the City in

keeping these steps on schedule but we can provide no assurance that the permits and process steps will be completed to meet the project schedule. There are simply too many variables associated with these processes and permits that are beyond our control.

To assist the City with meeting its goals, we will prepare two construction bid packages:

1. Sewer Relocation to under SR 217: The work needed to relocate the sewer line from the steel bridge to under SR217 so the steel bridge can be removed under the main construction project.
2. Channel Improvements: From approximately 80 feet upstream of Hollister Ave to downstream of South Street (the entire existing concrete channel).

Utility relocations will consist primarily of relocating the sewer line from the steel bridge to under SR 217 and possibly minor relocations of other utilities along the project.

One of the main challenges associated with this phase will be preparing a set of final contract documents in parallel with completing the requirements of CEQA/NEPA, obtaining various permits and obtaining the required right of way for the project. The City and design team will continue to work together to complete the CEQA/NEPA process and obtain permits and right of way in a manner that minimizes revisions to the project definition thereby minimizing delays and extra costs.

Achieving the City's goal of constructing this project in 2009 will require that all environmental review, permitting and right of way acquisition be kept on track. Close coordination, early identification of potential delays and quick resolution of issues will be the keys to success. This process has worked well during the previous phases of the project.

SCOPE OF WORK

The following tasks are included in this cost proposal:

Task 1. Management

Management, Administration, Coordination, Quality Control, Quality Assurance, and Interface with Client and other involved agencies. Attendance at PDT meetings.

This task will be performed by **Penfield & Smith**. Bruce Burnworth will be the primary contact for project management with Craig Steward providing back-up and assistance as needed. Craig and Bruce have worked together successfully on many projects including Phases I and 2 of the San Jose Creek Capacity Improvement Project, the Lower Mission Creek alternatives analysis and the Haley-De La Vina Bridge Design over Mission Creek. This working relationship results in cost-effective and responsive service to our clients.

Project Design Team (PDT) meetings will be held on average once per month to coordinate various Penfield & Smith team activities with the City and County. Meeting agendas will be distributed in advance of the meetings and meeting notes following the meetings. The emphasis for the meetings will be to effectively coordinate activities and move the project forward to successful completion.

The **Penfield & Smith *Corporate Quality Assurance Program*** will be used to develop a specific quality assurance program for this project.

Task 1 Deliverables:

- PDT Agendas and Notes
- Quality Assurance Plan

Task 2. Hydraulics and CLOMR

Perform detailed hydraulic analysis of Proposed Project as required to refine/verify design parameters and process CLOMR.

Craig Steward will be responsible for this task based on his 25 years of hydraulic analysis on creeks in Goleta, Santa Barbara, Montecito, Carpinteria and throughout the County. Carrie Collins will continue to assist with the hydraulic modeling and CLOMR submittals.

This effort will focus on two goals:

1. Hydraulic modeling to optimize the channel design – reduce construction costs while meeting fish passage, aesthetic and FEMA requirements.
2. Process the CLOMR in a timely manner through FEMA.

The computer model will be revised along with the channel design to optimize the design. This will be an iterative process aimed at reducing vertical channel walls, flood walls and reconstruction of channel while conveying the 100 year storm event and providing for fish passage.

A variable that will affect the design is the roughness of the fish passage channel. This will not be known until the Lower Mission Creek physical modeling is complete in March. To understand the possible impacts of changing the roughness, we will run HECRAS with several different roughness factors.

Another variable affecting the design may be the top of the bank relative to the Caltrans typical desire to have a clear recovery zone of 30 feet from the SR 217 travel lane. A model run will include looking at the effect of moving the top of bank 3 feet further from the SR 217 travel lane to provide a 30 foot clear recovery zone.

CLOMR processing must meet FEMA schedule requirements including responding to FEMA letters within 90 days of the FEMA comment letter. FEMA submittal requirements are extensive and require the inclusion of various channel design details and analyses.

Task 2 Deliverables:

- Project Hydraulic Analyses as Required for Final Design (Penfield & Smith)
- CLOMR Submittals (two anticipated) (Penfield & Smith)

Task 3. LOMR This task is not included in this cost proposal

Since this work cannot be done until the project is constructed, the City anticipates including this work in a subsequent agreement. The work required by FEMA includes an as-constructed survey of the project and revision of the hydraulic model to match as-constructed conditions. A CLOMR submittal needs to be prepared and processed through FEMA.

Task 4. 35% Design

Prepare 35% Design

Penfield & Smith engineers and subconsultants will prepare 35% plan and profile drawings of proposed sewer relocation and channel improvements consistent with the February 2008 MND Addendum. The drawings will be 22" x 34" format so they can be printed on 11x17 paper at half

scale. English units will be used. The plans will be prepared in AutoCad format. The specifications will be prepared in MSWord.

The design surface will be modeled using Civil3D software in AutoCAD. As described in the hydraulics modeling section, several iterations of channel surface design and hydraulic modeling will be needed to optimize the design.

Impacts of construction improvements on adjacent properties will be refined and construction methods and phasing will be investigated.

As is the case with all 35% design submittals, portions of the project will be further along than 35% (i.e., channel plan & profile drawings) while other portions of the design that build on the channel design will not be as far along the design process (i.e., structures that require the geometric design of the channel and road to be set.).

Right of way plans will be prepared as part of the 35% submittal.

A project cost estimate will be prepared during the 35% design phase.

Drawings prepared during the 35% design phase will include:

a. Demolition plans delineating improvements to be removed, protected in place or salvaged for reuse.

b. Plan and profile plans to define vertical site layout and provide survey control information. The plans will provide contouring and spot elevations as deemed appropriate to define the channel improvements and related grading.

c. Drainage plans and details for storm drain flap gates, catch basins, pipes, etc. The drainage design information may be shown on the grading plans.

d. Utility relocation plan showing utilities to be constructed by Contractor and work to be done by public utility companies (i.e. Electric, Telephone, CATV, etc.)

e. Details, cross sections, notes, cover sheet.

f. Right of Way Plan

Outline specifications (i.e. title of sections) will be prepared.

Terrasearch, Inc. – Soil Nail Geotechnical Analysis and Design:

The work of Terrasearch, Inc. will build on the work performed by Fugro West which is documented in a geotechnical report dated July 2006. Soil nail geotechnical analysis and design services for the project will consist of the following tasks:

Preparation: Preparatory work preceding exploration and testing.

a. Permitting: A permit will be obtained from Santa Barbara County Flood Control for testing along the Flood Control access road.

b. Mobilization: Prior to the field exploration, arrangements will be made with various subcontractors that will perform different aspects of the field exploration.

c. Coordination: This will include working with Penfield & Smith, the City and Flood Control to facilitate access to the site.

d. Utility Location Avoidance: Underground Services Alert will be contacted at least 48 hours in advance of the field exploration activities. Penfield & Smith will assist in marking the

locations of the proposed drill holes in the field for underground alert purposes. The locations will be provided via pdf map.

Subsurface Investigation: Six soil borings will be made using the hollow stem method. All borings will extend to a maximum depth ranging between 20 and 30 feet. A truck mounted drill rig will be used. The soil cutting will be spread on site away from the gravel road.

Four Slug test well holes will be drilled to perform groundwater pump tests along the project length. The slug test method will be used to minimize the amount of water removed from the ground to what can be contained in 55 gallon drums. Soil samples will be obtained to perform laboratory permeability and gradation analysis tests. Christy boxes will be placed on the top of the wells to protect them against the light traffics. Wells will not be destroyed and will be used for future groundwater monitoring program by the City. Water will be collected in a 55-gallon steel drum and will be discharge away from the creek at the site.

Laboratory Work: The soil samples collected using the hollow stem method will be used to perform TxCU, moisture density, permeability, gradation, corrosivity and other pertinent geotechnical laboratory tests. The results of these tests will supplement data contained in the Fugro West July 2006 report. These tests are specifically needed for the design of soil nail walls.

Design Level Geotechnical Investigation Report: A geotechnical investigation report containing the locations of the borings and wells, findings, conclusions and recommendations will be prepared.

Prepare Preliminary Plans: Prepare preliminary plans, sections and details. This will include initial structural design of the sloped banks and vertical walls. It will include initial flood wall design where the flood wall is attached to new concrete slope or vertical wall.

CH2M Hill – Modifications under Hollister Avenue Bridge:

The modifications under the bridge include replacement of the trapezoidal channel with vertical walls with approximately 33 feet clear for the channel. The walls must be designed to be installed in a way that maintains the capacity of the piles supporting the bridge. This includes soil nails and precast panels that will maintain soil pressure against the piles during and after construction.

This scope assumes that there will be no Caltrans oversight on this project. Caltrans oversight requires more effort due to increased submittal requirements, increased agency interaction, and increased formatting requirements on electronic plans, specifications, and estimates.

Dimensions and structural approach will be confirmed during 35% design and drawings will be prepared to depict the proposed design approach.

David Black & Associates - Landscape Design:

1. Consultations/coordination with Penfield & Smith and the City of Goleta to confirm project goals and objectives and to review project development plans.
2. Review of all relevant project reports, design development plans and conditions of approval.
3. Consultation/coordination with SAIC (Rosie Thompson) regarding the development of an appropriate plant palette and specifications for the riparian and native tree restoration.
4. Site visit(s) to analyze and evaluate existing site conditions.
5. Preparation of preliminary landscape design plans illustrating all development plan improvement as well as the type and location of all proposed trees, shrubs and groundcovers. Work shall include the preparation of a schematic irrigation system design plan indicating the location of irrigation points-of-connections and automatic controllers.

6. Presentation of plans to City of Goleta staff.
7. Preparation of preliminary landscape estimates of cost.

Task 4 Deliverables:

- Preliminary Plan and profile drawings for creek improvements 1"=20 feet - 35% (Penfield & Smith)
- Design Level Geotechnical Investigation Report (Terrasearch, Inc.)
- Soil nail wall analysis and Preliminary Plans and Details (Terrasearch, Inc.)
- Preliminary Flood Wall Design (Penfield & Smith and Terrasearch, Inc.)
- Preliminary Channel Modification Plans under Bridge (Ch2M Hill)
- Landscaping Preliminary Design (David Black & Associates)
- Right of Way Plans (Penfield & Smith)
- Specifications Outline (All)
- Updated Cost Estimate (All)

Task 5. 65% Design

Prepare 65% Design

Creek improvement plans will include significantly more detail than shown in the 35% design submittal.

Structural drawings will be prepared to include preliminary wall and foundation plan & profile layout, wall structural sections, channel and ramp structural sections, transition structure details, and storm drain outlet details.

Meet with City and Caltrans representatives to review and discuss the plans relative to SR 217.

Preliminary landscape plans will be presented to DRB along with the flood wall design. Two DRB meetings are included in our scope of services.

A progress draft of the technical specifications for the project will be prepared with all of expected sections identified.

Traffic Control Plan for construction activities along Kellogg Ave., Hollister Ave. and SR 217:

- Review the project description and proposed construction activities.
- Research potential local traffic related conflicts (e.g. activities/events occurring in the area).
- Develop a traffic control plan for the project study area.
- Coordinate the plan preparation with emergency services agencies, delivery services and the City Traffic Department.
- Field-check the draft traffic control plan against actual field conditions.
- Coordinate with Caltrans for all work that will affect Caltrans SR 217 .
- Provide design recommendations to mitigate traffic impacts, if necessary.
- Respond to comments from the City and Caltrans on the traffic control plan.

Terrasearch, Inc. - Soil Nail Wall Design:

Prepare 65% Plans: Prepare plans, sections, details and specifications along with supporting calculations suitable to be submitted to Santa Barbara County Flood Control for peer review. This will include structural design of the sloped banks and vertical walls. It will include flood wall design where the flood wall is attached to new concrete slope or vertical wall.

Peer Review: The analysis and geotechnical report will be prepared in accordance with Southern California Earthquake Center (SCEC) guidelines. The procedures outlined by SCEC and the requirements outlined by SBCFCD will be followed for the peer review of the report. Therefore, it is assumed that one response letter may be needed to satisfy the peer review.

CH2M Hill – Channel Under Hollister Avenue Bridge:

At the completion of this phase the type of structure, configuration, channel geometry and other controlling information will be considered final. These will be based on the proposed channel geometrics at Hollister Avenue Bridge prepared by Penfield & Smith and the soil nail related geotechnical information and design provided by Terrasearch, Inc.

CH2M HILL will prepare an updated construction cost estimate at this phase.

David Black & Associates - Landscape Design:

Presentation to City of Goleta Design Review Board. Two presentations are anticipated.

Preparation of preliminary landscape specifications.

Coordination with SAIC regarding any refinements to riparian and native tree restoration.

Task 5 Deliverables:

- 65% Plan and profile drawings for sewer relocation under SR 217 and San Jose Creek improvements, including sections and details (Penfield & Smith)
- 65% Soil Nail Wall Plans, Details. Specifications & Estimate (Terrasearch, Inc.)
- 65% Modification of Channel Under Bridge Plans & Details (Ch2M Hill)
- 65% Landscape Plans & Details (David Black & Associates)
- 65% Project Specifications (All with Penfield & Smith as lead)
- 65% Preliminary Cost Estimate (All with Penfield & Smith as lead)

The Santa Barbara County Flood Control peer review is anticipated to consist of review of various 65% design drawings and calculations.

Task 6. 95% Design

Prepare 95% Design

The drawings and technical specifications, including the general provisions will essentially be complete at this stage. Quality control reviews will be in progress and the package will be submitted to allow the City and other agencies to perform their final review.

The Storm Water Pollution Prevention Plans (SWPPP) will be competed and included with the 95% submittal.

Structural drawings will include refined wall plan & profile layout, wall sections and details from previous submittals, and general notes necessary for construction of each structure. Additionally, miscellaneous wall details, and Structural Specifications will be included in the submittal.

Terra Search, Inc. - Soil Nail Design

Prepare Final Soil Nail Wall Design Construction Documents: Prepare final design construction bid documents for the soil nail wall. The drawings will contain some construction specifications for material, installation and testing. Detailed wall and slope construction specifications for inclusion in project specifications will be prepared.

CH2M Hill – Channel Modifications under Hollister Avenue Bridge:

CH2M HILL will prepare the draft structures design, including design calculations, layout plans and structural details, quantities, cost estimate, and unedited technical special provisions associated with the modifications to the channel under the bridge. These will be based on the final channel geometrics provided by Penfield & Smith and the final geotechnical and soil nail design provided by Terrasearch, Inc.

The anticipated sheet count for the project is 8 sheets for the Modification to the Channel under the Hollister Avenue Bridge. All sheets will be created during this phase and may be revised in later submittals.

David Black & Associates - Landscape Design:

1. Consultations/coordination with Penfield & Smith and the City of Goleta.
2. Additional site visits, as required, to evaluate existing site conditions.
3. Preparation of planting design and preparation of planting plans and plant lists locating and identifying quantities, sizes, and varieties of all plant materials to be used.
4. Preparation of irrigation plans showing the layout of all piping, valves, control equipment, drip emitters and/or sprinkler heads for the efficient irrigation of all areas of the project site to be planted.
    a. Preparation of landscape details and specifications to identify types of materials to be used and to set forth standards for installation and construction for all elements identified as the responsibility of the landscape architect and as covered by this scope of work.
5. Coordination with SAIC on details of riparian and native tree restoration.
6. Presentation of plans to City of Goleta staff and public review agencies for final approval.
7. Preparation of landscape estimates of cost.

SAIC Mitigation Plan:

SAIC will work with Penfield & Smith to develop the Mitigation Plan Sheets.

Task 6 Deliverables:

- 95% Civil Plans (Penfield & Smith)
- 95% Soil Nail Wall and Slope Plans (Terrasearch)
- 95% Channel Modifications under Bridge Plans (Ch2M Hill)
- 95% Landscape Plans (David Black & Associates)

- 95% Specifications (All with Penfield & Smith as lead)
- 95% Construction Cost Estimate (all with Penfield & Smith as lead)

Anticipated Plan Sheets:

Prepared by	Sheet Name	Number of Sheets
P&S	Cover sheet	1
P&S	General Notes	1
P&S	Right of Way	8
P&S	Creek Plan & Profile Drawings	11
P&S	Fish Passage Channel Details	3
P&S	Grading Plans	2
P&S	Kellogg Avenue Street Plans	6
P&S	Civil Sections	4
P&S	Drainage Plans	3
P&S	Civil Details	4
P&S	Utilities	2
P&S	Storm Drain Flap Gate Details	2
P&S	SWPPP	10
P&S	Flood wall at top of existing concrete channel (3.5 ft max)	4
P&S	Access Ramp	2
TS Inc.	Soil Nail Wall Plans	6
TS Inc.	Sections	2
TS Inc.	Details	2
CH2MHill	Walls under Hollister Bridge General Plan & Design Notes	1
CH2MHill	Wall Plan	1
CH2MHill	East Wall Elevation	1
CH2MHill	West Wall Elevation	1
CH2MHill	Soil Nail or Tieback Wall Sections	1
CH2MHill	Transition Wall Sections	1
CH2MHill	Soil Nail or Tieback Wall Details	1
CH2MHill	Miscellaneous and Quantities	1
DB&A	General Landscape Notes	1
DB&A	Plans	8
DB&A	Details	3
SAIC	Mitigation Plan	2

Task 7. Final Contract Package

Prepare final bid package including plans and special provisions.

Penfield & Smith will revise the construction drawings and specifications based on review comments received from the 95% review submittal. Penfield & Smith will issue final Calculations and an Engineer's Opinion of Probable Cost for the project, including items of work and costs prepared by the other team members. The City's portion of the Bid Documents will be incorporated into final Contract Document package, including bid forms and invitation to bid.

CH2M Hill – Channel Modifications under Hollister Avenue Bridge:

Upon receipt of comments, CH2M HILL will provide written responses and incorporate comments into the revised final plans, quantities, estimate and special provisions.

The design of the structure will be independently checked within CH2MHill during this task. Comments on the unchecked details will be reviewed and addressed, and written responses to all comments will be prepared and distributed. Check quantities will be prepared. Construction cost estimates will be updated and quantity summary forms will be developed for the project. CH2M HILL will prepare structure special provisions related to the walls under the bridge.

David Black & Associates - Landscape Design:

Preparation of final plans, specifications and estimates of cost.

Task 7 Deliverables:

- Civil Plans – stamped and signed mylar (Penfield & Smith)
- Soil Nail Wall and Slope Plans - stamped and signed mylar (Terrasearch, Inc.)
- Channel Modifications under Bridge Plans - stamped and signed mylar (Ch2M Hill)
- Landscape Plans - stamped and signed mylar (David Black & Associates)
- Specifications (all with Penfield & Smith as lead)
- Construction Cost Estimate (all with Penfield & Smith as lead)
- Electronic version of Final PS&E (all with Penfield & Smith as lead)
- Contract Bid Documents Ready for Reproduction (Penfield & Smith) will consist of two separate sets of plans: 1) Sewer relocation under SR 217, and 2) Channel improvements along San Jose Creek.

Task 8. Bidding and Award

Assist City in responding to contractor questions during bidding. Review of bids.

Assist the City during the Bid Phase of the project. Tasks during this period would include attendance at pre-bid meetings, answering questions related to the Contract Documents and the preparation of addendums (two addendums are assumed). Penfield & Smith will also assist the City with the review of the bids and supporting materials. Terrasearch, CH2MHILL, and David Black & Associates will assist Penfield & Smith by responding to contractor inquires related to their respective parts of the plans and specifications.

Task 9. Design Support during Construction -This task is not included in this cost proposal.

Since this work cannot be done until the project is under construction, the City anticipates including this work in a subsequent agreement with Penfield & Smith.

Task 10. Right of Way Engineering

Prepare right of way appraisal maps.

Penfield & Smith will analyze and review the Preliminary Title Reports and documents provided for the parcels of land over which the proposed easements will be obtained. The areas to be obtained will be based on the ROW plan prepared as a part of the 35% design task. The required easement area geometry (determined by the design and Flood Control operations requirements) will be calculated and referenced to title lines as disclosed of record. Penfield & Smith will prepare a legal description, signed and sealed by a California licensed land surveyor, together with an 8-1/2" x 11" exhibit plat of each individual easement. Where only a temporary construction easement is to be obtained, a graphical exhibit plat will be provided and not a written legal description since the temporary easements are not recorded.

Task 10 Deliverables:

- Legal descriptions for easements, signed (Penfield & Smith)
- Exhibit plat for each ownership (Penfield & Smith)

Task 11. Right of way Appraisals

Prepare right of way appraisals.

Stephen Schott, MAI (Schott & Company) will prepare appraisals leading to estimates of the market values of the proposed easements required for the project. His findings and conclusions will be included in written summary (letter) format appraisal reports including analyses, discussions, and supportive data. His work will be in conformance with the Uniform Standards of Professional Appraisal Practice. The purpose of the appraisal is for public acquisition of the properties and for condemnation of the properties if necessary.

The estimated time for completion of the above-described evaluations is six weeks from authorization to proceed. To complete the appraisal within this time frame Stephen Schott will require in a timely manner, any relevant information needed for the preparation of the report. That information would include:

- A description and plotting of the easements.
- A copy of a title report for each of the encumbered properties.
- Access to inspect the properties.

An allowance of 70 hours for appraisals is provided.

Task 11 Deliverables:

- Appraisal for each ownership (Schott & Company)

Task 12. Right of Way Acquisition

Acquire right of way in name of City as necessary.

Hamner, Jewell & Associates will coordinate the right of way acquisition process. This process will involve working closely with the project team throughout the design stage, to help assure that

property issues are addressed as part of the design decision making process. Hamner, Jewell & Associates will help identify any affected properties, coordinate communications with property owners, and seek and obtain any necessary permissions to enter properties for required surveying and project planning inspections and testing.

Once parcels that will need to be acquired for the Project are confirmed and project plans, legal descriptions, title reports, and appraisals for the temporary and permanent easement rights to be acquired are provided (by others), Hamner, Jewell & Associates will prepare purchase offers on behalf of the City in conformance with the requirements of the California Government Code and eminent domain laws, will personally meet with property owners to present the City's offers, and will act as a conduit between City staff, project team, and property owners in an effort to obtain amicable easement acquisition agreements.

Once purchase agreements are obtained, Hamner, Jewell & Associates will process obtained agreements for City acceptance, title review, payment processing, and deed recordation. In the event eminent domain action becomes necessary, Hamner, Jewell & Associates will coordinate with City's legal counsel in preparation for adopting a Resolution of Necessity (City must provide legal counsel for document review and approval and to handle any necessary eminent domain action. City shall also provide title reports and shall pay all direct costs to cover payments to property owners for the agreed upon purchase prices and transaction closing costs that may include title and escrow fees.)

This proposal contemplates the necessary acquisition of easements from seven properties. These include:

AP#	Description	Permanent Access Easement	Permanent Easement for Channel	Temporary Construction Easement
071-090-036	NE Corner of Bridge			X
071-090-078	NW Corner of Bridge			X
071-140-046	SW Corner of Bridge	X	X	X
071-140-056	SE Corner of Bridge	X		X
071-126-001 to 071-126-008	Office Condos Common Area Only	X	X	X
071-140-058	South of SW Corner of Bridge	X		X
071-140-061	Further South of SW Corner of Bridge	X		X

Hamner, Jewell & Associates will bill only for time actually expended. Working with people rather than a specific and controllable task makes estimating the amount of time to reach an agreement is difficult. The time to complete Right of Way acquisition efforts is greatly affected by the accessibility and responsiveness of the property owners, the project timeline, timely client responses and directives during the negotiation process, and the support of legal counsel, if and when needed. The budget offered in this submittal covers up to 300 hours of Hamner, Jewell & Associates staff time over a maximum 1 year term for working with the owners of the above-referenced seven properties to obtain necessary property rights for the project and for up to three project team meetings, plan review and comment, title review, appraiser coordination and appraisal review, status reports and other general team communications and coordination.

Note: During the last two years more new laws and regulations affecting public agency property acquisition have been enacted than we have seen in this field in decades. Many of these changes

have come about due to the publicity associated with high profile Supreme Court cases. New laws as well as related new federal and state regulations are still coming out. These new laws and regulations tend to increase the amount of time needed to acquire real property for public projects and increase the costs. Hamner, Jewell & Associates monitors these changes and will work with the City and the City's eminent domain counsel to minimize their impact on this project. If state and federal funds become a part of the project, additional time may be needed to implement additional steps including separate appraisal reviews

Task 12 Deliverables:

- Various correspondences with property owners and tenants (Hamner Jewell)
- Final easement documents if easements are obtained without the need for use of eminent domain (Hamner Jewell)

Task 13. Permitting Assistance

Assist City with obtaining permits from various public agencies.

The Penfield & Smith team will assist City staff as requested by City in obtaining permits from various public agencies for the project. Permitting agencies include:

- Santa Barbara County Flood Control (construction within Flood Control ROW).
- City of Goleta (construction within City road ROW).
- Caltrans (construction within Caltrans ROW).
- California Coastal Commission (construction within Coastal Zone).
- California Department of Fish & Game (construction in creek).
- Regional Water Quality Control Board (construction near creek).
- US Army Corps of Engineers (construction in creek).

Most of the assistance related to work within public rights of way will be performed by Penfield & Smith. This will include support to City staff at coordination meetings with Flood Control and assistance to City staff in the process needed to obtain a construction permit from Flood Control for the work in Flood Control ROW. Support to City staff related to Caltrans will include assistance in obtaining a Caltrans relinquishment to Flood Control of the area between the Caltrans fence and the edge of the Caltrans ROW. It will also include assistance in obtaining a Caltrans permit for a temporary construction area on the SR 217 side of the proposed top of creek bank.

Most of the assistance related to environmental permits will be performed by SAIC. SAIC will support the City of Goleta in obtaining environmental permits for the Project as follows:

- Follow-up contacts with regulatory agency representatives for pre-consultation related to the revised project with fish passage (Corps of Engineers, National Marine Fisheries Service, California Department of Fish and Game, Regional Water Quality Control Board).
- Attend meeting with Coastal Commission staff to review the proposed project and obtain their input.
- Prepare application forms.

- Compile photographs, maps/project drawings (from Penfield & Smith), and other pertinent information required for the applications and to assist the agencies in issuing the permits.
- Coordinate with agencies to answer any questions they may have during the permitting process.

If formal consultation with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service is needed for the Corps' Section 404 permit, support can be provided on an hourly basis. The application forms will be given to the City of Goleta for signature and mailing to the agencies. We understand that the City of Goleta will directly pay all agency fees including the California Department of Fish and Game and Regional Water Quality Control Board.

Task 13 Deliverables:

- Assistance to City in obtaining final permits from various public agencies.

Task 14. Mitigation Plan

Prepare mitigation plan.

For the mitigation plan, SAIC will:

- Prepare lists of native plants for (1) restoration of areas north of Hollister Avenue disturbed during construction, (2) off-site riparian habitat replacement, and (3) planting along the flood wall and Hollister Avenue as shown on the plans. This will be done in coordination with David Black & Associates to ensure that the information is incorporated into the Landscape Plan.
- Recommend sources of native plant material and planting methods.
- Incorporate mitigation measures from the MND related to protection of sensitive species and habitats (e.g., timing of construction activities to avoid disturbing nesting birds and steelhead migration).
- Incorporate and expand (if necessary) measures from the MND for control of sediment runoff and protection of water quality.
- Describe monitoring and actions to be taken if sensitive biological or cultural resources are found during construction.
- Identify location(s) for off-site planting for replacement of riparian vegetation removed during construction to meet required mitigation ratios. This will be done in consultation with the City of Goleta.

Task 14 Deliverables:

- Mitigation plan as required by environmental document and permitting agencies. As appropriate, mitigation measures will be written to be included in the construction bid documents.

PROJECT STAFFING

The organization chart on the following page shows how the consultant team will work together with the City and County. The **Penfield & Smith** project manager, Bruce Burnworth will be the main point of contact for the City. The project manager will efficiently engage the expertise of the diverse project team to provide for a quality product that helps the City meet its goals. The project manager will work with the appropriate members of the team of experts to complete the project tasks. During

these tasks the project manager will maintain appropriate communication with City and County representatives. The **Penfield & Smith** hydraulic engineer, Craig Steward will assist the project manager as needed and provide backup to ensure that the team remains accessible and responsive to the City and County. In addition, Dave Rundle will have a key role in providing quality control. Geremy Salts will be the engineer managing the preparation of the plans, specifications and cost estimates.

Penfield & Smith will work closely with city staff and consultants. We understand that Rosemarie Gaglione will be the City's project manager. Gerald Comati (COM3) will assist Ms. Gaglione as needed. Ed Zapel will provide technical input and review regarding Fish Passage issues. The City Design Review Board (DRB) will review the project and provide comments. County Flood Control is a project participant and funding partner with the City. Flood Control will retain an independent consultant to review the plans prepared for the project prior to issuance of a permit for the work in the Flood Control channel.

Responsibilities of each key person in the consultant team:

a. Bruce Burnworth, P.E. (**Penfield & Smith**) – Project Manager - Overall project management, coordination, schedules, administration, report compilation

b. Craig Steward P.E. and Carrie Collins, P.E. (**Penfield & Smith**) – Hydraulic analysis and hydraulic design

c. Dave Rundle, P.E. (**Penfield & Smith**) – Quality review

d. Geremy Salts, P.E. and Michael Osborne, P.E. (**Penfield & Smith**) – Preparation of design plans, specifications and estimate (PS&E)

e. Bret Foster, P.E. and Ben Fischetti, P.E. (**Penfield & Smith**) – Structural design of Flood Walls

f. Derek Rapp, T.E. (**Penfield & Smith**) –Traffic engineering – interface with Kellogg Ave. and SR 217

g. Jim Wilson, L.S. and Mark Castellanos, L.S. (**Penfield & Smith**) – Surveying – base mapping, right of way legal descriptions

h. Kamran Ghiassi, Ph.D., P.E. (**Terrasearch, Inc.**) - Soil nail geotechnical, slope stability, soil nail wall and slope structural design, dewatering tests

i. Douglas Fredericks, P.E. (**CH2M Hill**) – Bridge Engineering – channel walls under bridge

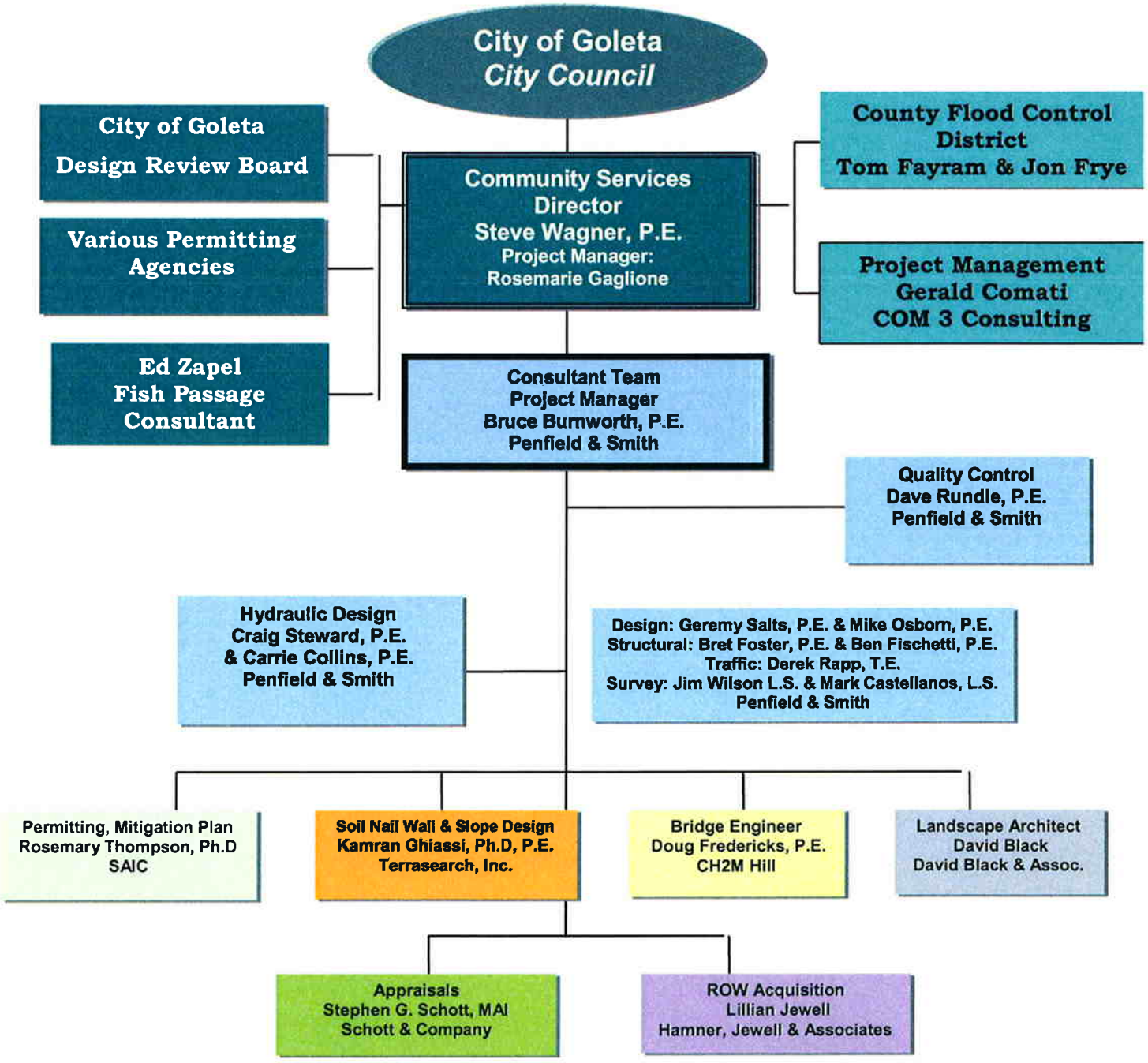
j. Rosemary Thompson, Ph.D. (**SAIC**) – Biologist – preparation of mitigation plan and assistance with permitting

k. David Black (**David Black & Associates**) – Landscape Architect

l. Stephen Schott, MAI **(Schott & Company)** - Appraisals

m. Lillian Jewell (**HJA**) – Right of Way Acquisition

San Jose Creek
Capacity & Fish Passage Improvement Project
Final Design Phase
Team Organization Chart



SERVICES NOT INCLUDED

The following services and all other services not specifically listed herein are excluded:

1. Governmental and public agency fees, cost of bonds and taxes.
2. Title company reports, services and fees.
3. Services by consultants other than P&S except those specifically included.
4. Services of Ed Zapel who will provide technical input and review to the City related to Fish Passage.
5. Services beyond award of the construction contract.
6. Significant revisions to the project scope and design as depicted in the February 2008 draft amended mitigated negative declaration document.

CLIENT TO PROVIDE

Client or client's consultant at Client's direction shall provide the following items to Penfield & Smith:

1. Current title reports for the properties to be acquired.
2. Copies of approved permits and permit requirements to be included in the project bid documents.
3. Electronic versions of City title block and specifications

PROPOSED FEE AND METHOD OF PAYMENT

Our proposed services will be performed on a time and materials, not to exceed basis and shall be billed monthly at the rates then in effect. Charges for "time" include professional, technical and clerical support services provided by Penfield & Smith. "Materials" include all reimbursable expenses, such as photocopies, postage, shipping/delivery, mileage, plots, prints, maps/documents and outside consultant fees.

Based on our understanding of your requirements and our experience with similar projects, we estimate that the fee required for our services will be $649,197 including reimbursable expenses with a 5% markup on reimbursable expenses and subconsultant fees. This amount is in addition to the amount spent to date under the original final design agreement ($332,598 was spent from February 2007 to March 2008 under the original design agreement including design of the original project and assistance related to revising the project to include Fish Passage - the original agreement amount was $665,845). See Exhibit A for a Penfield & Smith detailed rate schedule. See Exhibit B attached for spreadsheets that break down this amount by task and subconsultant. Our charges will not exceed the above fee estimate without your prior authorization.

We have estimated the cost of our services based on our understanding at this time of the scope and complexity of the work. During the performance of our services, the need for additional or expanded services may be determined. We will make every reasonable effort to keep you informed of our progress and costs incurred.

ADDITIONAL SERVICES

Services performed outside the scope of this agreement require written approval prior to performance of the work. Design changes by Owner/Client or designee after the start of design shall be considered additional services. Any work requested by Owner/Client that is outside the scope of this agreement will be identified by Penfield & Smith as such, and a not-to-exceed amount will be agreed upon prior to the start of the additional work. Compensation for additional services shall be in accordance with the rate schedule sheets in Exhibit A or those currently in effect for work after January 1, 2009.

TIME OF PERFORMANCE

Based on our current workload, we estimate that the work described in this proposal can be completed in approximately 12 months from execution of the agreement. The schedule attached as Exhibit C provides a breakdown of this schedule. Note that this schedule includes specific time for City and other agency review. Our estimate of time and fees does not include City or other agency review time beyond the review time specifically listed in or provided for in the attached schedule.

Our team is prepared to work toward completion of contract bid documents before the end of December, 2008. This will allow bidding to occur in January and contract award in February. The work that can be done outside the creek area needs to be started in early March to be able to start work in the creek in April and be out of the creek by November.

Meetings with the City Project Design Team (PDT) are proposed to be monthly and should correspond with various project milestones. Regular meetings will help maintain project momentum and allow for more timely resolution of issues. Periodic communication and review via electronic media and conference calls in addition to the meetings will help keep the project moving forward.

The project schedule provided in Exhibit C shows how the various tasks are tied together. The task bars in red are considered critical path tasks at this point in time. Our estimate of fees is based on this schedule. Delays to the schedule will result in additional services outside the scope of this proposal.

INDEMNIFICATION ADVISORY

In recent years, we have seen a movement towards clients requesting us to perform services under their company's form of Agreement. Please be advised that if you would like us to work under your company's form of Agreement, we will look closely at the required indemnification language in any such document. Specifically, we will not accept indemnification language that requires us to accept liability for other than our negligent acts of error or omission to the extent that we are responsible for such liabilities. This proposal is based on this understanding.

AUTHORIZATION

Should you require additional information or wish to discuss this proposal further, please give me a call. My direct line (805) 963-9532, extension 225.

As scheduling resources is a critical component in the success of our projects, we appreciate prompt review of proposals and execution of contracts. Please contact us if there is anything we can do to expedite this process.

Thank you for considering Penfield & Smith for this project.

Very truly yours,

PENFIELD & SMITH

Bruce Burnworth,
Principal Engineer

EXHIBIT A
PENFIELD & SMITH
BILLING RATES EFFECTIVE JANUARY 1, 2008

Engineering

Engineering Technician	$70
Associate Technician	80
Senior Technician	90
Designer	105
Senior Designer	120
Junior Engineer	85
Assistant Engineer	105
Associate Engineer	125
Senior I Engineer	140
Senior II Engineer	155
Principal Engineer	175

Surveying

Survey Technician	$65
Junior Surveyor	78
Assistant Surveyor	97
Associate Surveyor	114
Senior I Surveyor	130
Senior II Surveyor	146
Principal Surveyor	167
One-Man Survey Crew with GPS or Robotic Total Station	$155
Prevailing Wage	170
Two-Man Survey Crew	180
Prevailing Wage	215
Three-Man Survey Crew	240
Prevailing Wage	265

Planning

Planning Technician	$65
Junior Planner	80
Assistant Planner	95
Associate Planner	110
Senior I Planner	130
Senior II Planner	145
Principal Planner	160

Construction Management

Construction Technician	$85
Assistant Construction Manager	105
Associate Construction Manager	120
Senior I Construction Manager	135
Senior II Construction Manager	150
Principal Construction Manager	175
Construction Inspector	$80
Prevailing Wage	105
Senior Construction Inspector	95
Prevailing Wage	110
Chief Inspector/Owner's Representative	105
Prevailing Wage	115

General

Technical Support	$60
Special Consultant	195

(Principal with specialized skills in engineering or planning)

Expert Witness/Deposition Rate = two (2) times regular rate

Out-of-town Survey Crew Travel = 0.5 times regular rate

Outside Consultant	Cost + 15%
Outside Reimbursable Consultant	Cost + 15%

In-house reimbursable expenses available upon request.

Note: Adjustments to rates are normally made on January 1st, however, the right is reserved to make adjustments at any time.

EXHIBIT B

City of Goleta

San Jose Creek Capacity & Fish Passage Improvement Project
Final Design Phase III Cost to Complete as of March 2008
Summary - All Consultant Team Members
Hours and Cost Per Task by Consultant

Consultant	Task 1. Management	Task 2. Hydraulics	Task 4. 35% Design	Task 5. 65% Design	Task 6. 95% Design	Task 7.Fianl Contract Package	Task 8. Bidding & Award	Task 10. Right Of Way Engineering	Task 11. Right Of Way Appraisals	Task 12. Right Of Way Acquisition	Task 13. Permitting Assistance	Task 14. Mitigation Plan	Total Labor Hours	Total Labor Cost	Reimbursable Expenses	Total Cost (Labor+Reimbursables+5% mark-up)
Penfield & Smith	264	116	462	499	573	331	56	148	4	20	40	10	2523	$343,071	$4,820	$348,132
CH2MHill	48		144	224	100	84	16						616	$83,260	$3,504	$91,102
TerraSearch, Inc.			114	340	92	34	28						608	$79,730	$17,260	$101,840
SAIC			12	6	8	4					86	42	158	$19,560	$800	$21,378
David Black & Associates				52	120	24	4						200	$24,590	$750	$26,607
Hamner, Jewell & Associates										300			300	$38,775	$1,000	$41,764
Schott & Company									70				70	$17,500		$18,375
Total	312	116	732	1121	893	477	104	148	74	320	126	52	4475	$606,486		$649,197

City of Goleta
San Jose Creek Capacity & Fish Passage Improvement Project
Final Design Phase III Cost to Complete as of March 2008
Penfield & Smith Hours and Rates
Hours and Costs per Classification per Task with 2008 Rates

Name, Classification	Rate	Task 1. Management	Task 2. Hydraulics	Task 4. 35% Design	Task 5. 65% Design	Task 6. 95% Design	Task 7.Final Contract Package	Task 8. Bidding & Award	Task 10. Right Of Way Engineering	Task 11. Right Of Way Appraisals	Task 12. Right Of Way Acquisition	Task 13. Permitting Assistance	Task 14. Mitigation Plan	Total Labor Hours	Subtotal Costs
Burnworth, Principal Engineer	$175	176	8	40	30	30	40	20	8	4	20	15	10	401	$70,175
Steward, Principal Engineer	$175		50	10	6	3						10		79	$13,825
Rundle, Principal Engineer	$175			8	16	24	8		8					64	$11,200
Salts, Principal Engineer	$175			72	96	96	42	8						314	$54,950
Foster, Principal Engineer	$175			10	15	20	10	8				5		68	$11,900
Rapp, Principal Engineer	$175				10	5	3					10		28	$4,900
Collins, Associate Engineer	$125		40	20	12	6								78	$9,750
Osborne, Associate Engineer	$125			80	80	120	56	12						348	$43,500
Gebhart, Assistant Engineer	$105			150	200	230	150							730	$76,650
Fischetti, Associate Engineer	$125			20	30	35	20	8						113	$14,125
Technical Support	$60	88	18		4	4	2							116	$6,960
Survey Crew	$215			16										16	$3,440
Associate Surveyor	$114			32					88					120	$13,680
Wilson, Principal Surveyor	$167			4					44					48	$8,016
Total		264	116	462	499	573	331	56	148	4	20	40	10	2523	$343,071
												Total Reimbursable Expenses			$4,820
													Total		$347,891

Breakdown of Reimbursable Expenses	
Travel	
Meals & Lodging	
Mail	$1,320
Reproduction	$3,500

City of Goleta
San Jose Creek Capacity & Fish Passage Improvement Project
Final Design Phase III Cost to Complete as of March 2008
CH2MHill Hours and Rates
Hours and Costs per Classification per Task with 2008 Rates

Name, Classification	Rate	Task 1. Management	Task 2. Hydraulics	Task 4. 35% Design	Task 5. 65% Design	Task 6. 95% Design	Task 7.Fianl Contract Package	Task 8. Bidding & Award	Task 10. Right Of Way Engineering	Task 11. Right Of Way Appraisals	Task 12. Right Of Way Acquisition	Task 13. Permitting Assistance	Task 14. Mitigation Plan	Total Labor Hours	Subtotal Costs
Doug Fredericks, Task Leader	$182	24		40	40	24	24	16						168	$30,576
Jeff Aldrich, Quality Assurance	$182			4	8	8	8							28	$5,096
Sean Smith, Staff Engr	$84				40	16	8							64	$5,376
Andrew Finney, Staff Geo Engr	$182			16	72	24	16							128	$23,296
Patrick Walker, CAD Technician	$87			80	60	24	24							188	$16,356
Betty Brady, Admin	$64			4	4	4	4							16	$1,024
Maria Garatea, Admin	$64	24												24	$1,536
Total		48		144	224	100	84	16						616	$83,260

Breakdown of Reimbursable Expenses	
Travel	$2,500
Health and Safety	$154
Mail	$300
Reproduction	$550

Total Reimbursable Expenses		$3,504
Total		$86,764

City of Goleta
San Jose Creek Capacity & Fish Passage Improvement Project
Final Design Phase III Cost to Complete as of March 2008
Terrasearch, Inc. Hours and Rates
Hours and Costs per Classification per Task with 2008 Rates

Name, Classification	Rate	Task 1. Management	Task 2. Hydraulics	Task 4. 35% Design	Task 5. 65% Design	Task 6. 95% Design	Task 7.Fianl Contract Package	Task 8. Bidding & Award	Task 10. Right Of Way Engineering	Task 11. Right Of Way Appraisals	Task 12. Right Of Way Acquisition	Task 13. Permitting Assistance	Task 14. Mitigation Plan	Total Labor Hours	Subtotal Costs
Kamran Ghiassi, Principal	$185			16	8	4	4	12						44	$8,140
Pirooz Barrar, Principal	$185				40	4	4	8						56	$10,360
Anthony Argyriou, Project Manag	$150			40	12			4						56	$8,400
Rod Holland, Engineer I	$145				80	20	16	4						120	$17,400
Staff Engineer	$120			55	100	20	10							185	$22,200
Drafter	$90			3	100	44								147	$13,230
Total				114	340	92	34	28						608	$79,730

Breakdown of Reimbursable Expenses	
Subcontracted Drilling Services	$10,500
Slug Test Equipment	$900
Drums	$100
Permits (5 permits)	$260
Traffic Control Services	
Geotechnical Laboratory Testing	$5,000
Materials	$300
Reproduction	$200

Total Reimbursable Expenses		$17,260
Total		$96,990

City of Goleta
San Jose Creek Capacity & Fish Passage Improvement Project
Final Design Phase III Cost to Complete as of March 2008
SAIC Hours and Rates
Hours and Costs per Classification per Task with 2008 Rates

Name, Classification	Rate	Task 1. Management	Task 2. Hydraulics	Task 4. 35% Design	Task 5. 65% Design	Task 6. 95% Design	Task 7.Fianl Contract Package	Task 8. Bidding & Award	Task 10. Right Of Way Engineering	Task 11. Right Of Way Appraisals	Task 12. Right Of Way Acquisition	Task 13. Permitting Assistance	Task 14. Mitigation Plan	Total Labor Hours	Subtotal Costs
R. Thompson, Program Manager	$170			4	4	8	4					32	12	64	$10,880
Staff Consultant I	$105											28		28	$2,940
Staff Consultant IV	$90			8	2							8	20	38	$3,420
Consultant IV	$65											4	4	8	$520
Project Adminisration I	$90											14	6	20	$1,800
Total				12	6	8	4					86	42	158	$19,560

Breakdown of Reimbursable Expenses	
Reproduction	$800

Total Reimbursable Expenses		
		$800
Total		$20,360

City of Goleta
San Jose Creek Capacity & Fish Passage Improvement Project
Final Design Phase III Cost to Complete as of March 2008
David Black & Associates Hours and Rates
Hours and Costs per Classification per Task with 2008 Rates

Name, Classification	Rate	Task 1. Management	Task 2. Hydraulics	Task 4. 35% Design	Task 5. 65% Design	Task 6. 95% Design	Task 7.Fianl Contract Package	Task 8. Bidding & Award	Task 10. Right Of Way Engineering	Task 11. Right Of Way Appraisals	Task 12. Right Of Way Acquisition	Task 13. Permitting Assistance	Task 14. Mitigation Plan	Total Labor Hours	Subtotal Costs
David Black, Landscape Arch.	$130				42	95	12	4						153	$19,890
Meg Tibbetts, Design/Draft	$100				10	25	12							47	$4,700
Total					52	120	24	4						200	$24,590

Breakdown of Reimbursable Expenses	
Travel	
Meals & Lodging	
Mail	
Reproduction	

Total Reimbursable Expenses		$750
Total		$25,340

City of Goleta
San Jose Creek Capacity & Fish Passage Improvement Project
Final Design Phase III Cost to Complete as of March 2008
Hamner, Jewell & Associates Hours & Rates
Hours and Costs per Classification per Task with 2008 Rates

Name, Classification	Rate	Task 1. Management	Task 2. Hydraulics	Task 4. 35% Design	Task 5. 65% Design	Task 6. 95% Design	Task 7.Fianl Contract Package	Task 8. Bidding & Award	Task 10. Right Of Way Engineering	Task 11. Right Of Way Appraisals	Task 12. Right Of Way Acquisition	Task 13. Permitting Assistance	Task 14. Mitigation Plan	Total Labor Hours	Subtotal Costs
Managing Senior Assoc; L Jewell	$165										30			30	$4,950
Senior Assoc II; C. Springford	$155										140			140	$21,700
Senior Assoc I	$125														
Associate II; Dave Jewell	$100										95			95	$9,500
Associate I	$88														
Assistant	$75										35			35	$2,625
Total											300			300	$38,775

Breakdown of Reimbursable Expenses	
Travel	$600
Meals & Lodging	
Mail	$200
Reproduction	$200

Total Reimbursable Expenses	$1,000
Total	$39,775

City of Goleta
San Jose Creek Capacity & Fish Passage Improvement Project
Final Design Phase III Cost to Complete as of March 2008
Schott & Company Hours & Rates
Hours and Costs per Classification per Task with 2008 Rates

Name, Classification	Rate	Task 1. Management	Task 2. Hydraulics	Task 4. 35% Design	Task 5. 65% Design	Task 6. 95% Design	Task 7.Fianl Contract Package	Task 8. Bidding & Award	Task 10. Right Of Way Engineering	Task 11. Right Of Way Appraisals	Task 12. Right Of Way Acquisition	Task 13. Permitting Assistance	Task 14. Mitigation Plan	Total Labor Hours	Subtotal Costs
Stephen G. Schott	$250									70				70	$17,500
Total										70				70	$17,500

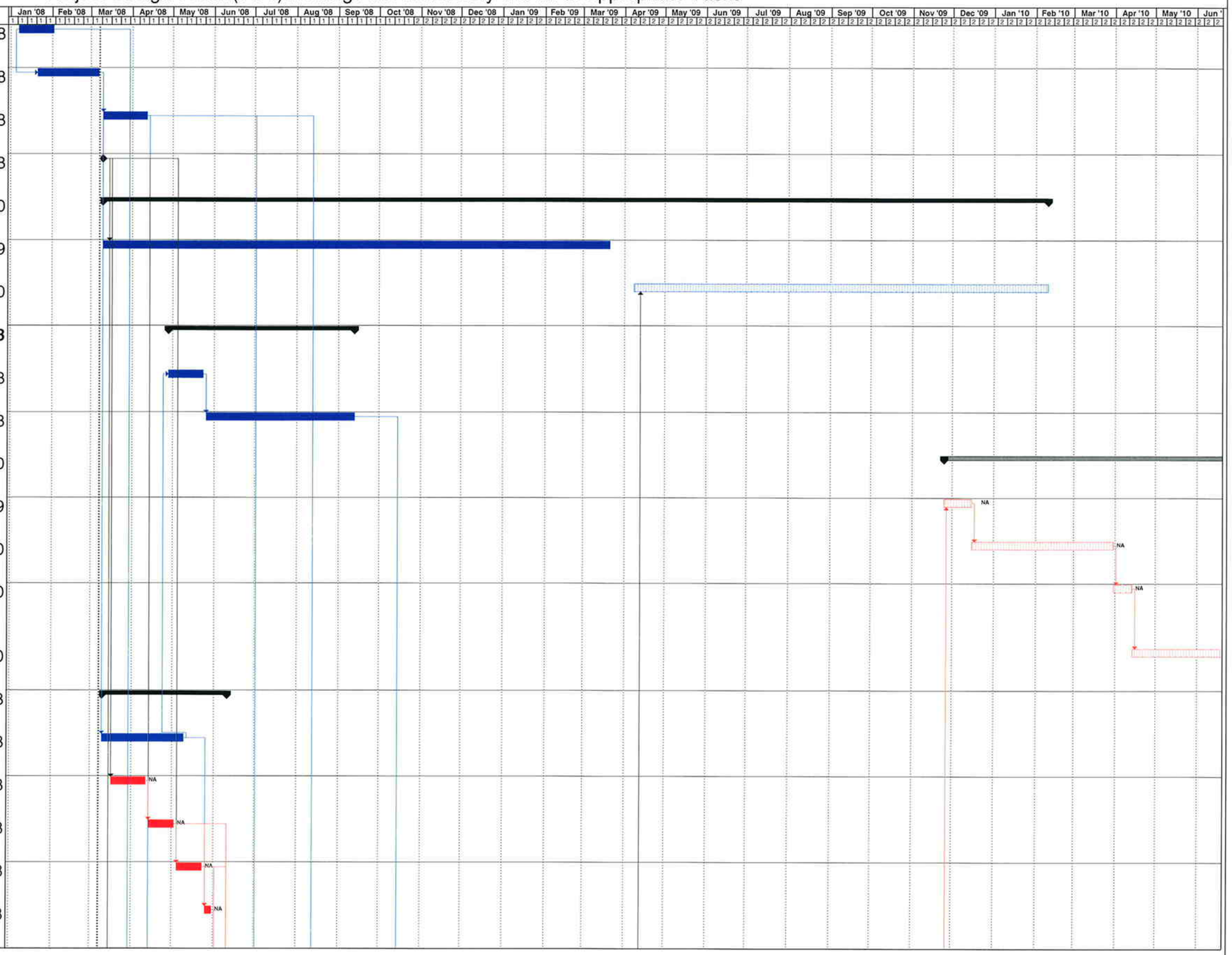
Breakdown of Reimbursable Expenses	
Travel	
Meals & Lodging	
Mail	
Reproduction	

Total Reimbursable Expenses		
Total		$17,500

San Jose Creek Capacity Improvements, Phase III

Project Design Team (PDT)Meetings are Tentatively shown at Appropriate Tasks

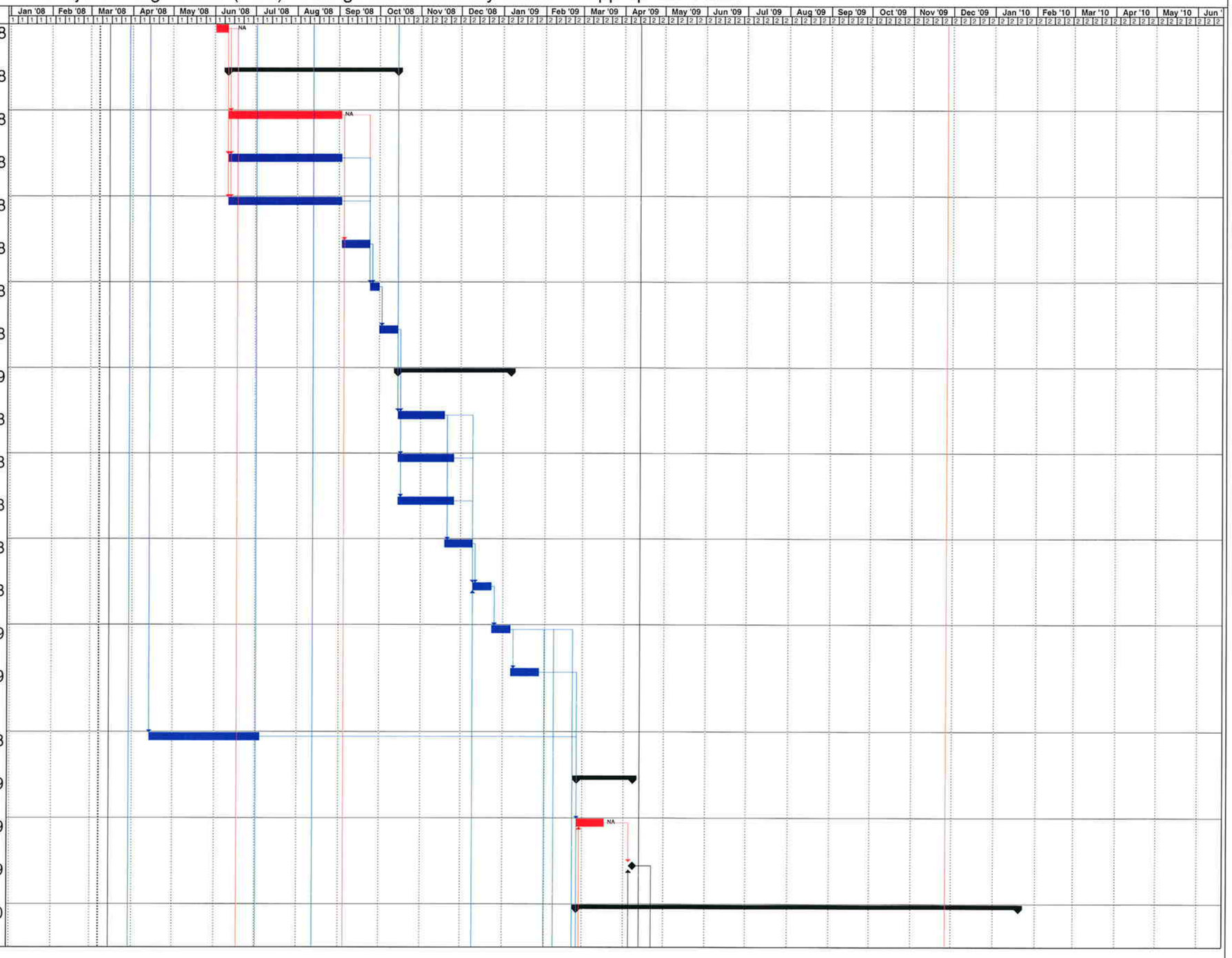
ID	Task Name	Duration	Start	Finish
1	Prepare Public Draft MND Ammendment	20 days	1/7/08	2/1/08
2	Review MND Ammendment (PDT 1)	35 days	1/21/08	3/7/08
3	Certify ND/EA Amendment	25 days	3/10/08	4/11/08
4	City Approval of Design Agreement Amendment	0 days	3/10/08	3/10/08
5	Task 1: Management	502 days	3/10/08	2/9/10
6	PDT Meetings Through Bid Phase	270 days	3/10/08	3/20/09
7	PDT Meetings Through Construction (NIC)	220 days	4/8/09	2/9/10
8	**Task 2: Hydraulic Analyses**	**100 days**	**4/28/08**	**9/12/08**
9	Revise CLOMR for Fish Passage	20 days	4/28/08	5/23/08
10	CLOMR Review and Revisions	80 days	5/26/08	9/12/08
11	Task 3: LOMR (NIC)	180 days	11/25/09	8/3/10
12	Survey of Built Channel	15 days	11/25/09	12/15/09
13	FEMA Application	15 wks	12/16/09	3/30/10
14	County Review and City Approval of Application	10 days	3/31/10	4/13/10
15	FEMA Review	80 days	4/14/10	8/3/10
16	Task 4: 35% Design	67 days	3/10/08	6/10/08
17	Channel Plan & Profile	45 days	3/10/08	5/9/08
18	Soil Nail Geotechnical Field & Lab Work	20 days	3/17/08	4/11/08
19	Soil Nail Geotechnical Report	15 days	4/14/08	5/2/08
20	Soil Nail Wall Analysis	15 days	5/5/08	5/23/08
21	Updated Cost Estimate	5 days	5/26/08	5/30/08



San Jose Creek Capacity Improvements, Phase III

Project Design Team (PDT)Meetings are Tentatively shown at Appropriate Tasks

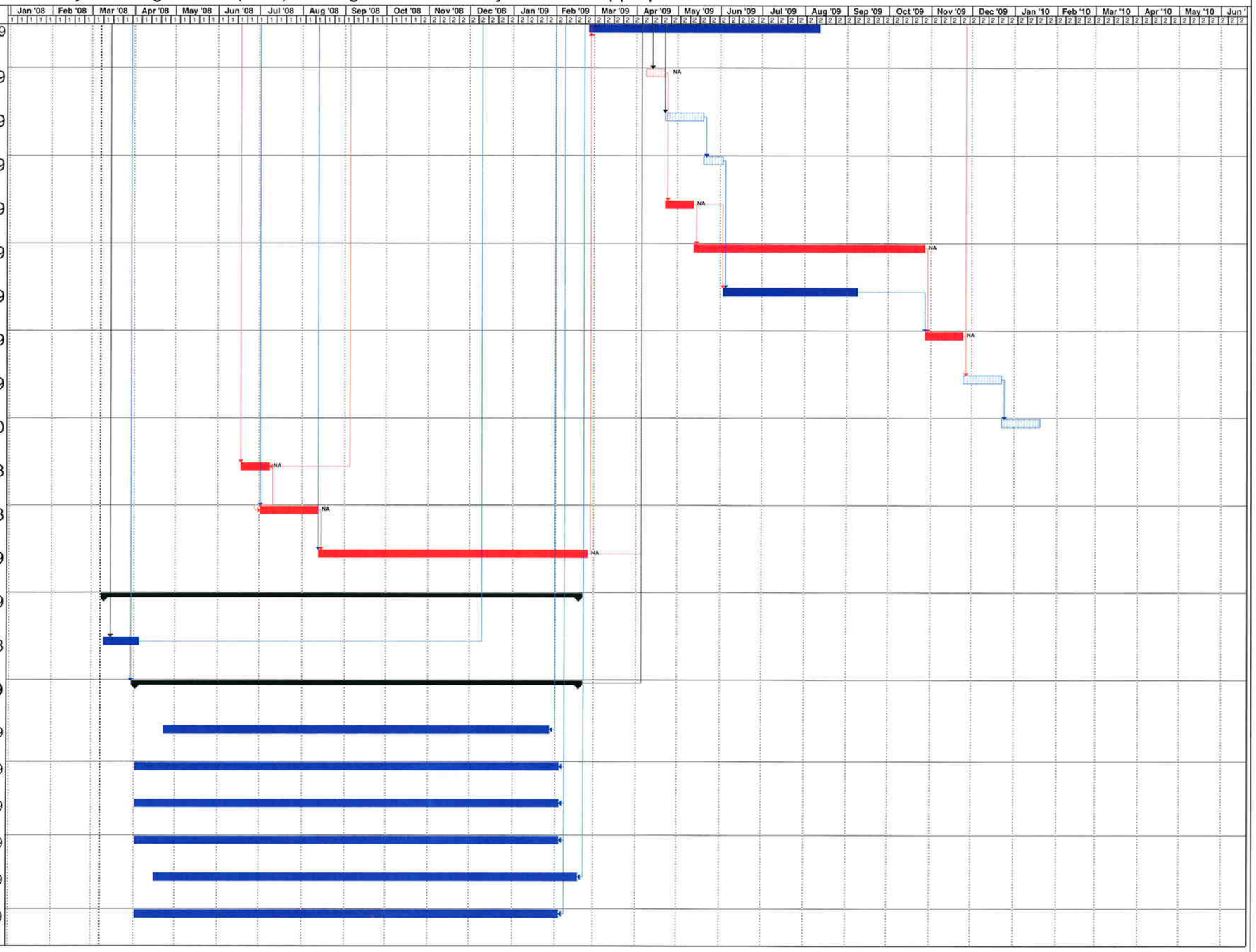
ID	Task Name	Duration	Start	Finish
22	City/County Review (PDT 2)	7 days	6/2/08	6/10/08
23	Task 5: 65% Design	90 days	6/11/08	10/14/08
24	Channel Plan & Profile	60 days	6/11/08	9/2/08
25	Soil Nail Wall Design	60 days	6/11/08	9/2/08
26	Plans for Walls under Bridge (PDT 3)	60 days	6/11/08	9/2/08
27	Landscape Plans	15 days	9/3/08	9/23/08
28	Updated Cost Estimate	5 days	9/24/08	9/30/08
29	City/County Review (PDT 4)	10 days	10/1/08	10/14/08
30	Task 6: 95% Design	60 days	10/15/08	1/6/09
31	Channel Plan & Profile	25 days	10/15/08	11/18/08
32	Soil Nail Wall Design	30 days	10/15/08	11/25/08
33	Plans for Walls under Bridge	30 days	10/15/08	11/25/08
34	Landscape Plans	15 days	11/19/08	12/9/08
35	Updated Cost Estimate	10 days	12/10/08	12/23/08
36	City/County Review (PDT 7)	10 days	12/24/08	1/6/09
37	Task 7: Final Contract Package	15 days	1/7/09	1/27/09
38	Sewer Relocation Design & Final Bid Package	60 days	4/14/08	7/4/08
39	Task 8: Bidding & Award	30 days	2/25/09	4/7/09
40	Bid Period (PDT 8)	15 days	2/25/09	3/17/09
41	Council Award	0 days	4/7/09	4/7/09
42	Task 9: Design Support During Construction (NIC)	235 days	2/25/09	1/19/10



San Jose Creek Capacity Improvements, Phase III

Project Design Team (PDT)Meetings are Tentatively shown at Appropriate Tasks

ID	Task Name	Duration	Start	Finish
43	Sewer Relocation Bid, Award, Construction	120 days	2/25/09	8/11/09
44	Contract Execution	10 days	4/8/09	4/21/09
45	Shop Drawing Preparation	20 days	4/22/09	5/19/09
46	Shop Drawing Review	10 days	5/20/09	6/2/09
47	Mobilize to Site	15 days	4/22/09	5/12/09
48	Channel Walls and Slopes	120 days	5/13/09	10/27/09
49	Walls under Bridge Construction	70 days	6/3/09	9/8/09
50	Work Outside Channel	20 days	10/28/09	11/24/09
51	Complete Construction	20 days	11/25/09	12/22/09
52	Record Drawings	20 days	12/23/09	1/19/10
53	Task 10: ROW Engineering	15 days	6/18/08	7/8/08
54	Task 11 ROW Appraisals (PDT 5)	30 days	7/2/08	8/12/08
55	Task 12 ROW Acquisitions	140 days	8/13/08	2/24/09
56	Task 14 Mitigation Plan & Permitting	247 days	3/10/08	2/17/09
57	Mitigation Plan	20 days	3/10/08	4/4/08
58	**Permitting**	**230 days**	**4/2/08**	**2/17/09**
59	Flood Control Encroachment Permit	200 days	4/23/08	1/27/09
60	Caltrans Encroachment Permit	220 days	4/2/08	2/3/09
61	Regional Water Quality Control Board Permit	220 days	4/2/08	2/3/09
62	California Department of Fish & Game Permit	220 days	4/2/08	2/3/09
63	California Coastal Commission Permit	220 days	4/16/08	2/17/09
64	Corps of Engineers Permit	220 days	4/2/08	2/3/09



ATTACHMENT 3

Amendment #1

AMENDMENT 1
AGREEMENT FOR CONSULTANT SERVICES
BETWEEN
THE CITY OF GOLETA
AND
PENFIELD & SMITH ENGINEERS, INC.

WHEREAS, An Agreement for Consultant Services ("AGREEMENT"), was entered into the 5th day of March 2007, by and between the City of Goleta, a California municipal corporation ("CITY") and Penfield & Smith Engineers, a California corporation, ("CONSULTANT") for preliminary engineering and environmental review services for the San Jose Creek Capacity Improvement Project; and,

WHEREAS, Section 1 of said Agreement provides for the revision of the term of the Agreement upon written agreement of both parties; and,

WHEREAS, Section 2 of said Agreement sets forth the scope of services to be performed; and,

WHEREAS, Section 4 of said Agreement sets forth the compensation to be paid to Consultant for work performed.

NOW, THEREFORE, In consideration of the mutual covenants and conditions set forth herein, the parties agree as follows:

AMENDMENT 1 The term of the Agreement between CITY and CONSULTANT shall be extended through June 30, 2010 in an amount not to exceed $981,796 as shown in the Exhibit 1.

All other provision of the agreement shall remain in full force and affect.

CITY OF GOLETA

By_____
Daniel Singer, City Manager
May 6, 2008

CONSULTANT:

By_____
Name:_____
Title: _____
Date: _____

APPROVED AS TO FORM:

By_____
Julie Hayward Biggs, City Attorney
May 6, 2008

By_____
Name:_____
Title: _____
Date: _____