



City of Sacramento City Council

915 I Street, Sacramento, CA, 95814
www.CityofSacramento.org

Meeting Date: 9/11/2012

Report Type: Consent

Title: Supplemental Agreement: Oak Park Combined Sewer Regional Storage Project

Report ID: 2012-00734

Location: Citywide

Recommendation: Pass 1) a Motion authorizing the City Manager or the City Manager's designee to sign Supplemental Agreement No. 2 to City Agreement No. 2006-0001 with West Yost Associates to reflect relocation of the Regional Storage Facility project from Curtis Park Village to Oak Park, with no increase in the agreement amount; and 2) a Resolution authorizing the City Manager or the City Manager's designee to transfer \$411,137 in Wastewater (Fund 6006) and Storm Drainage (Fund 6011) funds for the Regional Storage Facility from the Curtis Park Village Project (X14010001) to the Oak Park Regional Storage Project (X14010080)

Contact: Bill Busath, Interim Engineering Manager, (916) 808-1434; Brett Grant, Supervising Engineer, (916) 808-1413 - Department of Utilities

Presenter:

Department: Department Of Utilities

Division: CIP Engineering

Dept ID: 14001321

Attachments:

- 1- Description/Analysis
- 2 - Background
- 3 - Location Map
- 4 - Resolution
- 5- Exhibit A - Supplemental Agreement No. 2

City Attorney Review

Approved as to Form
Joe Robinson
8/24/2012 5:36:57 PM

City Treasurer Review

Reviewed for Impact on Cash and Debt
John Colville
8/17/2012 2:19:39 PM

Approvals/Acknowledgements

Department Director or Designee: Dave Brent - 8/22/2012 10:25:56 AM

Sandra Talbott, Interim City Attorney

Shirley Concolino, City Clerk
John F. Shirey, City Manager

Russell Fehr, City Treasurer



Description/Analysis

Issue: On January 5, 2006, City Council authorized a Consultant and Professional Services Agreement (City Agreement No. 2006-0001) with West Yost Associates (WYA) for planning and pre-design of a Regional Combined Sewer Storage Facility at Curtis Park Village. On August 25, 2009, City Council authorized Supplemental Agreement No. 1 to City Agreement No. 2006-0001 with WYA to complete the final design and provide related services, which increased the agreement not-to-exceed amount to \$642,609.

The project was to be coordinated with the development of the Curtis Park Village project. During the initial phase of the design work, the Department of Utilities was unable to reach agreement with the developer, and consequently decided to move the regional combined storage facility project. Based on a previous study performed by WYA under a separate agreement that evaluated the feasibility of placing regional storage project facilities in either Oak Park or McClatchy Park, the Department has determined that the regional storage project will be moved to Oak Park. Based on combined sewer system modeling, the Department has determined that relocating the regional storage project from Curtis Park Village to Oak Park provides a greater benefit in reducing sewer outflows and flooding within the City's combined sewer system. All of the project facilities will be underground.

The transfer of \$411,137 of unobligated funds from the Curtis Park Village (formerly UP Railyard Regional) project (X14010001) to a new Oak Park Regional Storage Improvement project (X14010080), and the approval of Supplemental Agreement No. 2, will enable WYA to complete the final design, provide bid services, and provide project engineering services during construction in order to maintain the project schedule, with no increase in the agreement amount.

Policy Considerations: The project is part of the Combined System Improvement Plan, which was approved by City Council in 1995. It is consistent with the City's Strategic Plan Goal of achieving sustainability and livability. Procurement of the professional design services was consistent with City Code Chapter 3.64.

Environmental Considerations: The Community Development Department, Environmental Planning Services Manager has reviewed the proposed project and has determined that the proposed actions of approving a supplemental agreement and transferring unobligated funds is not subject to CEQA under the California Environmental Quality Act (CEQA), CEQA Guidelines Section 15061(b)(3). These activities are covered by the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA. CEQA review for the regional storage facility project will be conducted in conjunction with the project design, and any required CEQA documentation will be brought forward prior to the award of a construction contract.

Sustainability: The project is consistent with the City's Sustainability Master Plan by reducing Combined Sewer Outflows and Flooding, which is one of the City's sustainability targets;

improving service; and by improving reliability, which will reduce energy-intensive maintenance efforts.

Commission/Committee Action: Not applicable

Rationale for Recommendation: The approval to transfer unobligated funds for the Regional Storage Facility project from the Curtis Park Village site to the Oak Park site and approval of Supplemental Agreement No. 2 with WYA will allow the project schedule to be maintained and allow the Department of Utilities to continue with the goals of the Combined System Improvement Plan.

Financial Considerations: The not to exceed amount for the initial planning and pre-design services of the current Consultant and Professional Services Agreement for Design Services with West Yost Associates was \$144,959. The estimated cost of Supplemental Agreement No. 1 with West Yost Associates to complete the final design, provide bid services, and to provide engineering services during construction was \$497,650, increasing the agreement not-to-exceed amount to \$642,609. Supplemental Agreement No. 2 will not change this not-to-exceed amount. Sufficient unobligated funds are available in the Curtis Park Village budget (X14010001) to complete the final design and other professional services in accordance with Supplemental Agreement No. 2. Upon adoption of the proposed Resolution, these unobligated funds in the amount of \$61,137 from the Wastewater Fund (Fund 6006) and \$350,000 from the Storm Drainage Fund (Fund 6011) will be transferred to the Oak Park Regional Storage Facility project (X14010080) to be used to pay the costs of this agreement.

Emerging Small Business Development (ESBD): At the time the Professional Services Agreement was executed by City Council in 2006, West Yost Associates was registered as a City-certified Small Business Enterprise. At this time, West Yost Associates is no longer certified by the City as a Small Business Enterprise.

Background

Areas of the City serviced by the combined sewer system (CSS) have historically been subject to flooding or sewer outflows during heavy storm events due to insufficient piping conveyance capacity and relatively low elevations. In 1995, City Council adopted a Combined Sewer System Improvement Plan (CSSIP) that included the construction of facilities intended to temporarily store peak combined sewage and storm drainage flow, to reduce impacts on downstream components of the CSS, and to obtain rescission of the Combined Sewer System Cease and Desist Order issued by the Regional Water Quality Control Board. To date, the City has constructed two off-line storage projects (42" Street and UCD Medical Center), several in-line storage projects (Tahoe Park/Broadway Parallel Sewer, Land Park Relief Sewer, and East End Project Relief Sewer), and reconstruction of the system's two pump stations, Sump 1 and Sump 2.

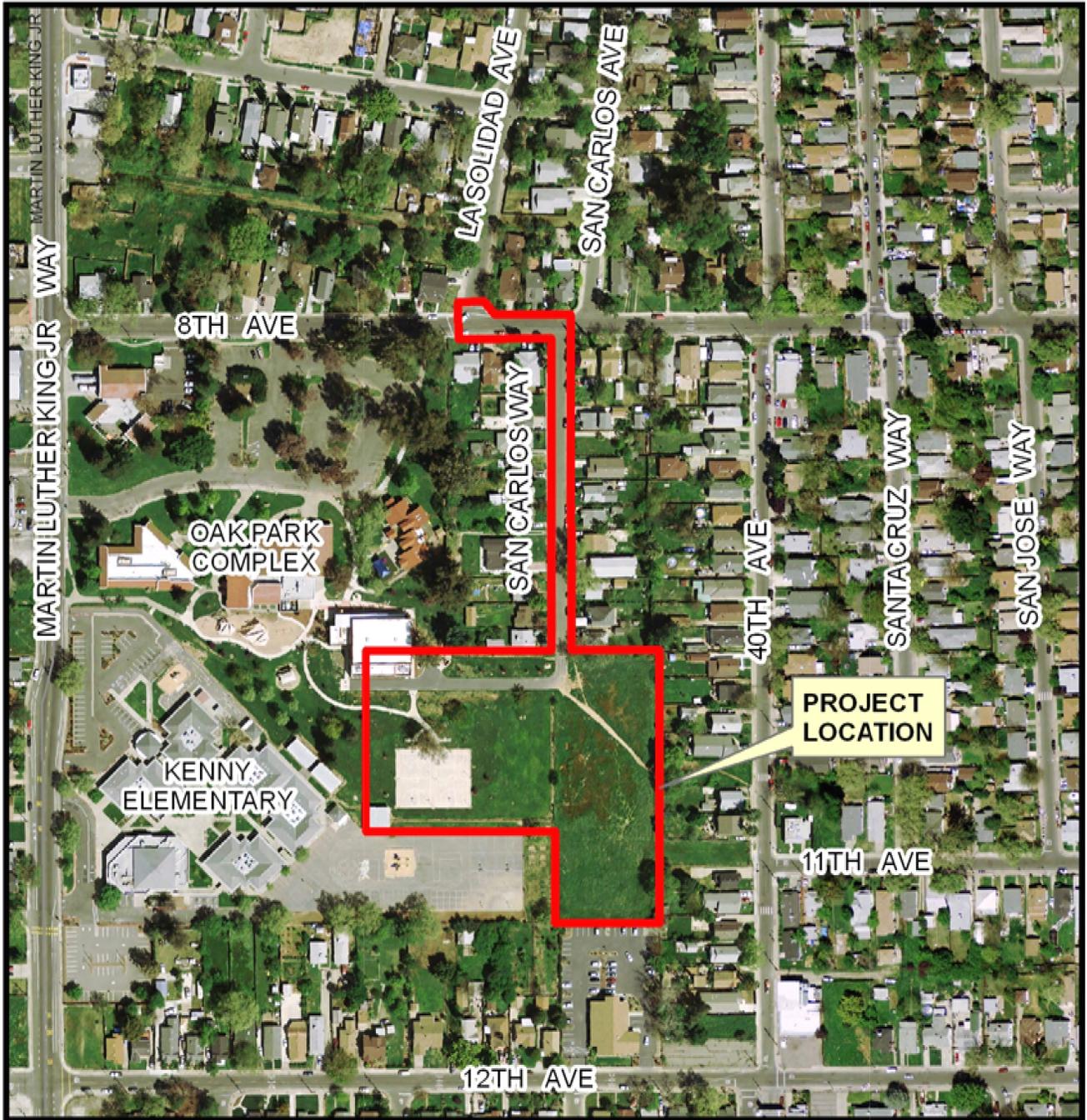
In August 2005, the City issued a Request for Proposals from qualified engineering consultants to provide design services for the previously-named Curtis Park Regional Storage Project. Based on the proposals submitted, West Yost Associates (WYA) was selected to provide this service. The City subsequently decided to proceed in a phased manner and, on January 5, 2006, the City Council authorized a Professional Services Agreement with WYA to provide planning and pre-design services to locate the proposed storage facility within Curtis Park Village and develop preliminary Project details. Several alternatives were developed by WYA for review by City staff. Alternatives ranged from a storage facility consisting of parallel 10 foot diameter pipelines in the future park area, to placing large reinforced concrete vaults straddling the existing 114 inch diameter Donner Interceptor pipe that crosses the north-central portion of the future Curtis Park Village development. The Curtis Park project was to be coordinated with the development of the Curtis Park Village project. In August 2009, the City issued Supplemental Agreement No. 1 for the final design, bid services, and engineering services during construction. During the initial phase of the design work, the City was unable to reach agreement with the developer, and consequently decided to move the Regional Storage Project to another location.

In January 2006, WYA under a separate agreement completed a study to evaluate the feasibility of placing a regional storage facility in either Oak Park or McClatchy Park. Based on cost, ease of maintenance, and accessibility considerations, the feasibility study concluded that the storage structure should be located in Oak Park. After determining that it was not feasible to locate the Regional Storage Project in Curtis Park Village, the City reviewed this study and has concluded that Oak Park would be the best location for the Regional Storage Project. Further, based on new combined sewer system modeling, this location would provide a greater benefit/cost in reducing regional and local sewer outflows and flooding than the Curtis Park Village location. In order to meet the goals of the CSSIP and due to the lack of undeveloped property within the CSS, it is likely that a storage facility will need to be constructed at Curtis Park in the future. Supplemental Agreement No. 2 will authorize West Yost Associates to provide final design, bid services, and engineering services during construction for the storage facility to be constructed at Oak Park, with no increase in the current agreement amount.

The subject Project represents a continuation of the CSSIP that will reduce flooding within the CSS. Facilities to be constructed are expected to include 800 feet of new 84-inch combined sewer pipeline, a weir structure, and an approximate 300,000 to 400,000 cubic foot underground storage facility located

in Oak Park. The storage facility will consist of parallel 9½ to 10-foot diameter pipelines connected to a common cast-in-place concrete inlet /outlet structure. All of the facilities will be underground. The project will be coordinated with a City Parks project to build a soccer facility at the park.

PROJECT LOCATION



File: S:\Eng\Ron_J\Documents\GIS\Wicnky_Maps_Get\Oak_Park_Storage.ppt



Map Prepared By
City of Sacramento
Department of Utilities





RESOLUTION NO.

Adopted by the Sacramento City Council

AUTHORIZING THE TRANSFER OF UNOBLIGATED FUNDS FOR REGIONAL STORAGE FACILITY FROM CURTIS PARK VILLAGE PROJECT (X14010001) TO THE OAK PARK REGIONAL STORAGE PROJECT(X14010080)

BACKGROUND

- A. Areas of the City serviced by the combined sewer system (CSS) have historically been subject to flooding or sewer outflows during heavy storm events due to insufficient piping conveyance capacity and relatively low elevations. In 1995, City Council adopted a Combined Sewer System Improvement Plan that included the construction of facilities intended to temporarily store peak combined sewage and storm drainage flow, to reduce impacts on downstream components of the CSS, and to obtain rescission of the Combined Sewer System Cease and Desist Order issued by the Regional Water Quality Control Board.
- B. In 2006, the City initiated pre-design work for a proposed CSS regional storage facility within Curtis Park Village, to be coordinated with the development of the Curtis Park Village project. In 2009, the City began the design phase for the Regional Storage Project, but during the initial phase of the design work, the City was unable to reach agreement with the developer of the Curtis Park Village project, and consequently the City has decided to move the Regional Storage Project to another location.
- C. After reviewing a previous feasibility study that evaluating placing a CSS regional storage facility in either Oak Park or McClatchy Park, the City has concluded that Oak Park would be the best location for the Regional Storage Project. Based on new combined sewer system modeling, this location would provide a greater benefit/cost in reducing regional and local sewer outflows and flooding than the Curtis Park Village location.
- D. Facilities to be constructed are expected to include 800 feet of new 84-inch combined sewer pipeline, a weir structure, and an approximate 300,000 to 400,000 cubic foot underground storage facility located in Oak Park. The storage facility will consist of parallel 9½ to 10-foot diameter pipelines connected to a common cast-in-place concrete inlet /outlet structure. All of the facilities will be underground. The project will be coordinated with a City Parks project to build a soccer facility at the park.
- E. The transfer of \$411,137 of unobligated funds from the Curtis Park Village project to the Oak Park Regional Storage project will allow design work for the relocated Regional Storage Project to proceed in order to maintain the project schedule.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL

RESOLVES AS FOLLOWS:

1. The City Manager or City Manager's designee is authorized to transfer \$411,137 of unobligated funds, consisting of \$61,137 from the Wastewater Fund (Fund 6006) and \$350,000 from the Storm Drainage Fund (Fund 6011), for the Regional Storage Facility from the Curtis Park Village project (X14010001) to the new Oak Park Regional Storage project (X14010080).



EXHIBIT A

Oak Park Regional Storage Project, X14010080
Final Design Services, Bid Services, and Engineering Services During Construction
Purchase Order #:

Date: August 13, 2012
Supplemental Agreement No. 2

The City of Sacramento ("City") and West Yost & Associates ("Consultant"), as parties to that certain Consultant and Professional Services Agreement dated January 5, 2006 and designated as Agreement Number 2006-0001, including Supplemental Agreement No. 1 amending said agreement, dated August 5, 2009, and designated as Agreement No. 2006-0001-1 (said agreement and Supplemental Agreement are hereafter collectively referred to as the "Agreement"), hereby supplement and modify the Agreement as follows:

1. The Agreement covers pre-design services, design services, bid services, and engineering services during construction for Regional Storage Project facilities to temporarily store peak combined sewage and storm drainage flow within the City's Combined Sewer System, to reduce flooding or sewer outflows during heavy storm events. During the pre-design and initial phase of the final design for the Regional Storage Project the City planned to install these facilities in Curtis Park, in coordination with the development of the Curtis Park Village. However, the City has been unable to reach agreement with the Curtis Park Village developer and, as a result, the City has decided to move the Regional Storage Project to another location. Based on a previous study performed by Consultant under a separate agreement that evaluated the feasibility of placing Regional Storage Project facilities in either Oak Park or McClatchy Park, the City has determined that the Regional Storage Project will be moved to Oak Park, and that, based on combined sewer system modeling, relocating the Regional Storage Project from Curtis Park to Oak Park provides a greater benefit in reducing sewer outflows and flooding within the City's Combined Sewer System. This Supplemental Agreement No. 2 amends the Agreement to reflect the City's relocation of the Regional Storage Project from Curtis Park to Oak Park.
2. The name of the project is changed from Curtis Park Regional Storage Project to Oak Park Regional Storage Project.
3. The scope of services specified in Exhibit A of the Agreement is amended as follows:

In addition to the Services previously specified in the Scope of Work described in Attachment 1 to Exhibit A of the Agreement, and the Services described in Attachment 2 to Exhibit A that were performed by Consultant prior to the date of this Supplemental Agreement No. 2. Consultant shall perform all of the Services specified in the Scope of Work described in Amended Attachment 2 to Exhibit A, attached hereto and incorporated herein by this reference.
4. Attachment 2 to Exhibit A, added to the Agreement by Supplemental Agreement No. 1, is deleted in its entirety.
5. Section 4 of Exhibit A is amended to extend the Time of Performance through the completion of the Oak Park Regional Storage Project.
6. Consultant shall be paid for the Services specified in the Scope of Work described in Amended Attachment 2 to Exhibit A at the rates specified in Attachment 3 to Exhibit B, attached hereto and incorporated herein by this reference.
7. The Agreement's maximum not-to-exceed amount that is specified in Section 1 of Exhibit B of the Agreement, in the amount of \$642,609, **is not changed**.
8. Consultant agrees that the not-to-exceed amount specified in section 7 above, shall constitute full compensation for the additional and/or revised services specified in section 3 above, and shall fully compensate Consultant for any and all direct and indirect costs that may be incurred by Consultant in connection with such additional and/or revised services, including costs associated with any changes and/or delays in work schedules or in the performance of other services or work by Consultant.
9. Consultant warrants and represents that the person or persons executing this supplemental agreement on behalf of Consultant has or have been duly authorized by Consultant to sign this supplemental agreement and bind Consultant to the terms hereof.
10. Except as specifically revised herein, all terms and conditions of the Agreement shall remain in full force and effect, and Consultant shall perform all of the services, duties, obligations, and conditions required under the Agreement, as supplemented and modified by this Supplemental Agreement No. 2.

EXHIBIT A

Approval Recommended By:

Project Manager

Approved By:

Consultant

Approved By:

City of Sacramento

Approved As To Form By:

City Attorney

Attested To By:

City Clerk

EXHIBIT A

AMENDED ATTACHMENT 2 TO EXHIBIT A

SCOPE OF WORK

FOR FINAL DESIGN SERVICES, BID SERVICES, AND ENGINEERING SERVICES DURING CONSTRUCTION OAK PARK REGIONAL STORAGE PROJECT

BACKGROUND

Areas of the City serviced by the combined sewer system (CSS) have historically been subject to flooding or sewer outflows during heavy storm events due to insufficient piping conveyance capacity and relatively low elevations. In 1995, City Council adopted a Combined Sewer System Improvement Plan (CSSIP) that concluded the construction of facilities intended to temporarily store peak combined sewage and storm drainage flow, reduce impacts on downstream components of the CSS, and to obtain rescission of the Combined Sewer System Cease and Desist Order. To date the City has constructed two off-line storage projects (42" Street and UCD Medical Center), several in-line storage projects (Tahoe Park/Broadway Parallel Sewer, Land Park Relief Sewer, and East End Project Relief Sewer), and reconstruction of the system's two pump stations, Sump 1 and Sump 2.

In August 2005, the City issued a Request for Proposals from qualified engineering consultants to provide design services for the previously-named Curtis Park Regional Storage Project. Based on the proposals submitted, West Yost Associates ("Consultant") was selected to provide this service. The City subsequently decided to proceed in a phased manner, and on January 5, 2006 the City Council authorized a Professional Services Agreement with Consultant to provide planning and pre-design services to locate the proposed storage facility within Curtis Park Village and develop preliminary Project details. Several alternatives were developed by Consultant for review by City staff. Alternatives ranged from a storage facility consisting of parallel 10 foot diameter pipelines in the future park area to placing large reinforced concrete vaults straddling the existing 114 inch diameter Donner Interceptor pipe that crosses the north-central portion of the future Curtis Park Village development. The Curtis Park project was to be coordinated with the developer of the Curtis Park Village. In August 2009, the City issued a Supplemental Agreement for the final design, bid services, and engineering services during construction. During the initial phase of the design work, the City was unable to reach agreement with the developer, and consequently decided to move the Regional Storage Project to another location.

In January 2006, the Consultant under a separate agreement completed a study to evaluate the feasibility of placing a regional storage facility in either Oak Park or McClatchy Park. Based on cost, ease of maintenance, and accessibility considerations, the Consultant concluded that the storage structure should be located in Oak Park. After determining that it was not feasible to locate the Regional Storage Project in Curtis Park, the City reviewed this study and has concluded that Oak Park would be the best location for the Regional Storage Project and, based on new combined sewer system modeling, this location would provide a greater benefit/cost in reducing sewer outflows and flooding than the Curtis Park location. This supplemental agreement will authorize West Yost Associates to provide final design, bid services, and engineering services during construction for the storage facility to be constructed at Oak Park.

The subject Project represents a continuation of the CSSIP that will reduce flooding within the CSS. Facilities to be constructed are expected to include 800 feet of new 84-inch combined sewer pipeline extending from the intersection of 8th Avenue and La Solidar Way along 8TH Avenue and San Carlos Way to the project site, a weir structure, and an approximate 300,000 to 400,000 cubic foot underground storage facility located in Oak Park. The storage facility will consist of parallel 9½ to 10-foot diameter pipelines connected to a common cast-in-place concrete inlet /outlet structure. All of the facilities will be underground. The project will be coordinated with a City Parks project to build a soccer facility at the park.

GENERAL DESIGN ISSUES

Consultant understands that the following will be required to achieve a successful project:

Coordination with City Hydraulic Model

The detailed design of the storage facility will be coordinated with the City's hydraulic model of the CSS to confirm that the storage volumes and overflow elevations will function and provide the desired reduction in flooding and sewer overflows. The hydraulic modeling will be performed by City staff.

EXHIBIT A

Coordination with City Department of Parks and Recreation

The City is planning modifications of the easterly portion of Oak Park to construct a youth soccer field and provide a community garden. The City Parks Department will be contracting with a landscape architect for the development of the soccer field and community garden. The Consultant shall coordinate with the City to design a storage facility that is compatible with the proposed park improvements. City staff or the City's landscape architect consultant will provide some of the final design documents including providing input on the Consultant's grading and paving plan, and by providing the planting and irrigation plans.

Operational Flexibility

Consultant understands that operational flexibility should be designed into the storage project. Examples of operational flexibility include the ability to adjust the weir height at which the storage project will begin to fill.

Coordination with Utility Companies

Consultant understands that coordination with utility companies is important to avoid potential utility conflicts in existing streets.

Odor Control

The storage facility will contain combined sewage only during major storm events; therefore, these structures are not expected to be a source of odors. However, Consultant will consider that future odor control facilities may possibly be installed in the future and include provisions as reasonable including duct connections and power supply capacity.

California Environmental Quality Act (CEQA) Documentation

City staff will be responsible for processing all CEQA documentation. The Consultant will coordinate with City staff (or the City's environment consultant) to provide documentation for CEQA processing.

Geotechnical Investigation

City staff will be responsible for completing the geotechnical investigation of the project site. The investigation will include approximately 4 borings on the project site and a report will be prepared summarizing the geotechnical conditions of the site. The geotechnical report will be attached to the bid documents.

Electrical and Controls

The storage project will not require pumping facilities or any major electrically operated equipment. There will be ancillary electrical and control equipment to monitor water levels within the storage facility. Also electrical equipment may be necessary for the park facilities such as lighting. The electrical and control equipment will be designed by City staff.

Surveying

City staff will provide surveying of the proposed project area including Oak Park, San Carlos Way and 8th Avenue.

Pre-purchase of Pipe

Due to the accelerated project schedule and the significant lead time required for obtaining large diameter pipe, the consultant will work with City staff to determine if pre-purchasing pipe is necessary to achieve the City's schedule objectives. If required, the Consultant will prepare pre-purchase pipe supply documents for bidding.

EXHIBIT A

SCOPE OF SERVICES

Following are the Consultant's revised Scope of Services and Schedule:

TASK 1. PRELIMINARY DESIGN SERVICES

City staff will be performing surveying and geotechnical investigation services required for the project.

1.1 Hydraulic Coordination

The Consultant shall coordinate with City hydraulic modeling staff to determine optimum weir set point elevations for filling and draining the storage facility.

1.2 Preliminary Design Drawings

After receiving surveying information from City, the Consultant will prepare 30 percent design drawings showing the proposed project including

- Plan and profile drawings along 8th Avenue and San Carlos Way
- Weir Structure plan and sections
- Layout and sections of the inlet/outlet structure and storage facilities

The City shall review and provide comments prior to Consultant proceeding with the detailed design services.

Deliverables

- Five sets of 11" by 17" Drawings

1.3 Pipe Evaluation

The Consultant shall evaluate various pipe materials suitable for the storage structure including reinforced concrete pipe, high density polyethylene pipe (HDPE), and reinforced plastic mortar pipe (Hobas). A brief technical memorandum will be prepared summarizing costs, delivery schedules, and the advantages and disadvantages of each pipe material. The Consultant will conduct a workshop with staff to select the final pipe material and determine if pre-purchasing the pipe is necessary.

Deliverables

- Draft and final versions of the Pipe Evaluation Technical Memorandum
- Workshop Meeting Notes

TASK 2. DETAILED DESIGN SERVICES

The detailed design services will include progress submittals at the 50, 90, and 100 percent completion levels. Following each submittal, the City shall review and provide comments, as necessary. The Consultant shall incorporate comments into the next progress submittal.

2.1 Field Reconnaissance and Utility Coordination

Prior to completion of the 50 percent design, Consultant shall perform field reconnaissance visits with City field services staff. In selecting the proposed horizontal alignment Consultant shall strive to minimize disruption during construction. Consultant shall coordinate with utility companies in the following manner:

- A utility letter "A" and a preliminary project location map shall be sent to utility companies that could potentially have facilities in the project area at the pre-design stage.

EXHIBIT A

- Information received from utility companies shall be incorporated into the 50% complete design documents, and these documents shall be sent to utility companies along with utility "B" letters.
- Any additional information received from utility companies shall be incorporated into the 90% complete and final design documents.
- After completion of the final design documents, but no later than two weeks before the project bids, one final set of letters, Utility "C" Letters, shall be sent to the utility companies to either initiate the time table for relocation of the utility facility or to inform the utility companies of the final design.

2.2 Potholing Existing Utilities

At about the 50% design level, the Consultant will perform potholing to determine the exact location and depth of existing utilities, as necessary. Up to 2 days of potholing are anticipated. The results of the potholing will be provided on design drawings.

Deliverables

- A, B, and C Utility coordination letters
- Pothole plan and notes.

2.3 Design Documents

Consultant understands that the City will provide the front-end documents that will be incorporated into the design documents. Consultant shall provide recommendations regarding number of working days, liquidated damages amounts, schedule milestones, and overall construction schedule. Consultant shall prepare the bid proposal sheet and bid item descriptions. Consultant shall utilize the current standard Special Provisions for City sewer projects and the current City Standard Specifications. Consultant shall prepare technical specifications as appropriate using CSI format. City standard documents for general conditions, supplementary provisions, bidding, and contract shall be incorporated with minimal editing to these documents by Consultant. Consultant shall anticipate a total of about 34 drawings will be required for the project. These drawings are listed below with a brief description of the work for each discipline. This list is preliminary, and shall be modified during the course of design. Consultant shall assume that landscaping and irrigation design drawings within Oak Park shall be provided by the City or the City's landscape architectural consultant. Electrical and instrumentation design will be performed by City staff. Consultant shall coordinate the electrical and instrumentation design with the other design disciplines.

General—These initial drawings shall locate the project, provide the table of contents, and present the abbreviations and symbols used on the remaining drawings. General notes shall also be listed. These shall include notes on benchmarks, existing utilities, significant time or schedule constraints, or any other appropriate information significant to the contractor's operation. The following drawings are anticipated:

- G1 Title Sheet (with general notes, utility contacts, and vicinity map)
- G2 Index Sheet (with location map, sheet index, and bench marks)
- G3 Legend & Abbreviations

Civil—Civil drawings shall include gravity sewer/profile sheets, site/piping plans for project structures, and civil detail sheets. Consultant shall anticipate that plan and profile drawings will be completed at 1-inch equals 20-foot scale horizontal and 1-Inch equals 4'feet scale vertical, and that grading plans will be completed at 1-inch equals 10-foot or 20-foot scale. The following drawings are anticipated:

- C1 8th Avenue Plan/Profile 1
- C2 San Carlos Way Plan/Profile 1
- C3 Storage Structure Vicinity Plan/Profiles
- C4 Storage Structure Site and Piping Plan
- C5 Storage Structure Grading and Drainage Plan
- C6 Civil Sections and Details 1
- C7 Civil Sections and Details 2
- C8 Civil Sections and Details 3
- C9 Civil Sections and Details 4

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Structural—Consultant shall anticipate that structural drawings shall be required for storage structure, weir structure, inlet/outlet structure, and miscellaneous junction structures. The following drawings are anticipated:

S1	General Structural Notes and Project Data
S2	General Structural Notes and Details
S3	Overflow Structure Plan and Sections
S4	Inlet Outlet Structure Plan
S5	Inlet/Outlet Structure Sections
S6	Weir Structure Plan and Sections
S7	Junction Structure Plan and Sections
S5	Storage Structure Structural Sections and Details 1
S6	Storage Structure Structural Sections and Details 2
S7	Structural Details 1
S8	Structural Details 2

Electrical and instrumentation—Consultant shall anticipate that electrical design documents will address the SCADA/telemetry system, and site electrical. The following drawings are anticipated. Electrical and instrumentation design will be prepared by City staff coordinated through Consultant. The following list of drawings is anticipated to be prepared by City staff.

E1	Electrical Symbols & Abbreviations
E2	Electrical Site Plan
E3	Meter/Main & Power Distribution Switchboards One Line Diagram & Elevation
E4	Electrical Details
I1	Instrumentation Symbols & Abbreviations
I2	Instrumentation P&ID
I3	Instrumentation and Telemetry Details

Landscaping and Irrigation—Consultant shall anticipate that the landscaping and irrigation design plans will be provided by City staff or the City's landscape architectural subconsultant. The following list of drawings is anticipated:

L1	Landscaping Symbols & Abbreviations
L2	Planting Plan 1
L3	Planting Plan 2
L4	Planting Schedules
L5	Irrigation Plan 1
L6	Irrigation Plan 2
L7	Landscaping and Irrigation Details

Deliverables

- The 50 and 90 percent complete design submittals shall consist of five 11"x17" sets of plans, specifications, and construction cost estimates
- Electronic copies of final plans in PDF and AutoCAD format
- Electronic copies of specifications in MS Word format
- The City will be responsible for final design document reproduction

2.4 Pre-Purchase Pipe Documents

The Consultant shall prepare bid documents for the pre-purchasing of the pipe and assist City staff in review and selection of pipe supplier. The City will provide the front-end documents.

TASK 3. BID AND CONSTRUCTION SERVICES

3.1 Bid Services

During the bid period, Consultant shall provide assistance to the City including, but not limited to, providing answers to questions from contractors and suppliers, and preparation of addenda. Consultant understands that City staff will

EXHIBIT A

receive questions and issue addenda. Consultant understands the City will conduct a pre bid conference. Consultant shall attend the pre bid conference and the City will conduct the bid opening. Consultant will not be present at the bid opening. Consultant shall prepare conformed documents incorporating any addenda items at the conclusion of the bid period, after the city selects the contractor.

Deliverables

- Up to two addenda
- Logs of bid period questions and responses
- Conformed documents (one set of full size and half size plans, one set of specifications)

3.2 Construction Services

Consultant anticipates that the City will conduct construction management and construction inspection tasks. Consultant shall provide engineering services during construction in support of the City's construction and inspection efforts as follows. Consultant shall respond to questions from City staff and Contractor requests for information (RFIs) during the construction period. Consultant has budgeted for up to 10 RFIs. Consultant shall review, comment on and approve, with City's input, up to 30 selected contractor submittals at the City's request. Consultant shall, at the City's request, visit the construction site to advise City regarding construction methods and construction related problems. Consultant shall anticipate eight site visits for budgeting purposes. At the City's request, Consultant shall review contractors' change order requests and advise the City.

Deliverables

- Submittal review comments
- Responses to RFIs
- Site visit reports

3.3 Record Drawings

Upon receipt from the City, Consultant shall modify design drawings and bid specifications to include all addenda and as-built information based on contractor's markups.

Deliverables

- Record drawings (one set each full size and half size plans)
- Record drawings on CD in PDF format

TASK 4. QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

Consultant shall institute and maintain an internal quality assurance/quality control (QA/QC) program. Key senior staff, not directly involved in the project, shall review and comment on the work products generated prior to submittal to the City. This review provides an independent check of work for accuracy and completeness, and critiques the work performed. As a result, the City will be provided with deliverables that are checked for completeness and quality of content prior to their submittal.

TASK 5. PROJECT MANAGEMENT

Keeping the project on track for budget, schedule and quality is important. Consultant shall achieve this through careful management of the design through project meetings, project reports, and internal QA/QC efforts.

5.1 Progress Meetings

Consultant shall anticipate six monthly progress meetings, facilitated by Consultant at City offices. At these meetings, members of the City and Consultant teams shall review work performed to date, pending work, project progress versus schedule, and issues that may arise on the project. In addition to monthly project meetings, Consultant shall anticipate weekly conference calls with the City's project manager and select design team members to keep all parties well informed throughout the design process. Consultant understands that final design is something of an iterative process. As such, additional meetings with City staff to review design concepts, City

EXHIBIT A

needs and procedures, and other issues affecting design will be necessary. Consultant shall attend up to two additional meetings outside of the monthly progress meetings to address design issues as they come up.

5.2 Progress Reports

Consultant shall submit monthly invoices that include a description of the status of current key project activities. The progress report shall include, but not necessarily be limited to:

- Project Budget—billings to date presented with budget usage projections
- Project Status—actual percent complete by task versus projected percent complete by task
- Action Item Log—actions to be taken, responsible party and time frame for completion
- Decision Log—decisions and changes on the project, tracking who initiated change, how it was resolved, and cost of decisions affecting the design effort

5.3 Public Outreach

Public Outreach will be coordinated by City staff and may include mailers, and up to two public meetings. The Consultant shall assist the city in public outreach by providing a project flyer describing the project (for mailing by the City), attending and presenting at up to two public meetings. The public meetings will be coordinated by City staff.

Deliverables

- Meeting agendas and minutes
- Progress reports
- Project flyer for mailing by the City
- Presentation Materials for Public Outreach

SCHEDULE

It is anticipated that final design will begin in early August 2012. The project shall be ready to advertise for bids in early February 2013. During this time the consultant shall make three submittals (50%, 90%, and final). Two weeks are allocated for City review and comment on all but the final submittal. Surveying to be provided by the City shall be provided to the Consultant within 14 calendar days of the notice-to-proceed.

EXHIBIT A

ATTACHMENT 3 TO EXHIBIT B

Estimated Hours and Budget <i>West Yost Associates</i>		P/VP \$223 Goodwin	P/VP \$223 Helmick	EM \$212 McWilliams	PE/PS \$193 Fuss	SE/SS \$174 Friederichs	AE/AS \$155 Durbin	ESII \$138 Lemmon	SD/SCAD \$113	ADMIII \$88	Labor		Drafting		Other Costs			Sub. 1 POT	
PROJECT: Oak Park Regional Storage Facility											Hours	Fee	Hours	Fee \$25	Sub. w/ markup 10%	Other Direct	Total Costs		
Task 1.0 Preliminary Design Services																			
1.01	Hydraulic Coordination	24		16			16				56	\$ 11,224	0			\$ 48	\$ 11,272		
1.02	Preliminary Design Drawings	20		20	20	16	20	20	26		142	\$ 24,142	26	\$ 650		\$ 100	\$ 24,892		
1.03	Pipe Evaluation	16		20			40	16		4	96	\$ 16,568	0				\$ 16,568		
Subtotal, Task 1 (hours)		60	0	56	20	16	76	36	26	4	294		26						
Subtotal, Task 1 (\$)		\$ 13,380		\$ 11,872	\$ 3,860	\$ 2,784	\$ 11,780	\$ 4,968	\$ 2,938	\$ 352		\$ 51,934		\$ 650		\$ 148	\$ 52,732		
Task 2.0 Detailed Design Services																			
2.01	Field Recon & Utility Coordination	8		8			40	40			96	\$ 15,200	0			\$ 200	\$ 15,400		
2.02	Potholing	8		4			8	20			40	\$ 6,632	0		\$ 8,800	\$ 200	\$ 15,632	\$ 8,000	
2.03	Design Documents	120		120	80	200	120	120	180	40	980	\$ 161,460	180	\$ 4,500		\$ 3,818	\$ 169,778		
2.04	Pre-Purchase Pipe	48		48			40			20	156	\$ 28,840	0			\$ 400	\$ 29,240		
Subtotal, Task 2 (hours)		184	0	180	80	200	208	180	180	60	1272		180						
Subtotal, Task 2 (\$)		\$ 41,032		\$ 38,160	\$ 15,440	\$ 34,800	\$ 32,240	\$ 24,840	\$ 20,340	\$ 5,280		\$ 212,132		\$ 4,500	\$ 8,800	\$ 4,618	\$ 230,050	\$ 8,000	
Task 3.0 Bid and Construction Services																			
3.01	Bid Period Services	20		8	8	4	16			8	64	\$ 11,580	0			\$ 200	\$ 11,780		
3.02	Construction Services	70		40	24	40	40	40	16	16	286	\$ 50,618	16	\$ 400		\$ 718	\$ 51,736		
3.03	Record Drawings	4		8			16				60	\$ 9,172	24	\$ 600		\$ 200	\$ 9,972		
Subtotal, Task 3 (hours)		94	0	56	32	52	72	40	40	24	410		40						
Subtotal, Task 3 (\$)		\$ 20,962		\$ 11,872	\$ 6,176	\$ 9,048	\$ 11,160	\$ 5,520	\$ 4,520	\$ 2,112		\$ 71,370		\$ 1,000		\$ 1,118	\$ 73,488		
Task 4.0 QA/QC Program																			
4.01	Technical Reviews	20	44	8							72	\$ 15,968	0			\$ 474	\$ 16,442		
Subtotal, Task 4 (hours)		20	44	8	0	0	0	0	0	0	72		0						
Subtotal, Task 4 (\$)		\$ 4,460	\$ 9,812	\$ 1,696								\$ 15,968				\$ 474	\$ 16,442		
Task 5.0 Project Management																			
5.01	Progress Meetings	40		12			12				64	\$ 13,324	0			\$ 400	\$ 13,724		
5.02	Progress Reports	30		12			12			8	62	\$ 11,798	0				\$ 11,798		
5.03	Public Outreach	24		12			12		12	12	72	\$ 12,168	12	\$ 300		\$ 434	\$ 12,902		
Subtotal, Task 5 (hours)		94	0	36	0	0	36	0	12	20	198		12						
Subtotal, Task 5 (\$)		\$ 20,962		\$ 7,632			\$ 5,580		\$ 1,356	\$ 1,760		\$ 37,290		\$ 300		\$ 834	\$ 38,424		
TOTAL (hours)		452	44	336	132	268	392	256	258	108	2246		258						
TOTAL (\$)		\$ 100,796	\$ 9,812	\$ 71,232	\$ 25,476	\$ 46,632	\$ 60,760	\$ 35,328	\$ 29,154	\$ 9,504		\$ 388,694		\$ 6,450	\$ 8,800	\$ 7,192	\$ 411,136	\$ 8,000	