Meeting Date: 07 / 21 / 09

ACTION	TYPE OF ITEM
☐ Approved Recommendation	■ Info/Consent
☐ Ord. No(s). _____	☐ Report
☐ Res. No(s). _____	☐ Public Hearing (Info/consent)
☐ Other _____	☐ Other _____

Prepared By: Lou Balderrama, City Engineer Agenda Item No. I-10

Reviewed By: City Manager City Attorney Finance Public Works

DATE: July 13, 2009

TO: City Council

FROM: Lou Balderrama, City Engineer
Public Works Department

SUBJECT: **First Amendment to Agreement for Professional Services with Black and Veatch Corporation for the final design of the Recycled Water Backbone System**

RECOMMENDATION

That City Council:

1. Approve and authorize the Mayor to execute the First Amendment to the Agreement with Black and Veatch Corporation to increase the amount by $131,494 for a total of $1,550,830 for the final design, bid phase and post design services for Phase 1 of the Recycled Water Backbone System (Agreement No. A-7134).

2. Approve the appropriation of funds in the amount of $131,494 from the Blending Station #3 Desalter Project No. 066011 to the Recycled Water Backbone System Phase 1 Project No. 096002 for the final design, bid phase and post design services for Phase 1 of the Recycled Water Backbone System.

DISCUSSION

The Recycled Water Backbone System (RWBS) is a planned component of the Groundwater Recovery Enhancement and Treatment (GREAT) Program. The RWBS consists of approximately ten miles of pipeline that will transmit recycled water produced by the Advanced Water Purification Facility (AWPF) located on Perkins Road. Phase 1 of the RWBS consists of slip-lining approximately four miles of the abandoned Redwood Trunk Sewer pipeline located along west Hueneme Road to northbound Ventura Road. The remaining six miles consists of pipe bursting and open trench installation of new pipeline along the northern portion of Ventura Road to the RiverPark area. The total cost of Phase 1 is estimated to be $28.6 million.

On August 21, 2008, staff issued a Request for Proposal (RFP) for the final design, bid phase and post design services for Phase 1 of the RWBS. In response to the RFP, staff reviewed and evaluated seven proposals and interviewed the top three companies. Based on the proposals and subsequent interviews staff determined that Black and Veatch Corporation would be the best consultant for the project, and recommended moving forward with an agreement for the design services. City Council executed the Agreement on March 3, 2009.

Staff recently identified that the section of the RWBS previously installed as part of the RiverPark development terminated approximately 2,000 linear feet (LF) north of the I-101 freeway and was not connected to the section of pipeline installed by Caltrans beneath the I-101 freeway as previously assumed. The missing section is required to complete the Phase 1 RWBS to allow for the delivery of recycled water to RiverPark. The First Amendment (Attachment No. 1) would provide for design and post design along Ventura Road between north of I-101 freeway to the RiverPark development.

The First Amendment would also include development of a base map for this section of the RWBS, initial site assessment along the entire length of the RWBS between the AWPF and RiverPark connection to replace the outdated initial site assessment conducted during the Redwood Trunk Sewer Project, environmental and groundwater sampling in accordance with Regional Water Quality Control Board newly adopted NPDES permitting requirements, additional potholing services, and additional aerial survey and ground mapping along Ventura Road within the City of Port Hueneme to provide ortho-corrected aerial photographs for approximately 15,000 LF of the RWBS alignment. Staff recently discovered ortho-corrected aerial photographs were not available for this section of the RWBS.

FINANCIAL IMPACT

The estimated cost for services in the First Amendment is not to exceed $131,494 and will increase the total cost of the Agreement from $1,419,336 to $1,550,830. The contract cost is funded by 2006 Water Bonds (Blending Station #3 Desalter Project No. 066011) and will be transferred into the Recycled Water Backbone System Phase 1 Project No. 096002 Account No. 601-6556-821-8201. A special budget appropriation in the amount of $131,494 is requested (Attachment No. 2).

GD:mdt

Attachment #1 – First Amendment to Agreement No. A-7134
#2 – Special Budget Appropriation

Agreement No. A-7134

FIRST AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES

This First Amendment ("First Amendment") to the Agreement for Professional Services ("Agreement") is made and entered into in the County of Ventura, State of California, this 21st day of July, 2009, by and between the City of Oxnard, a municipal corporation ("City"), and Black and Veatch Corporation ("Consultant"). This First Amendment amends the Agreement entered into on March 3, 2009, by City and Consultant.

City and Consultant agree as follows:

1. As of July 21, 2009, in Section 1 of the Agreement, "Exhibit A1", attached hereto and incorporated herein by reference, is substituted for "Exhibit A".

2. As of July 21, 2009, in Section 14a of the Agreement, "Exhibit C1", attached hereto and incorporated herein by reference, is substituted for "Exhibit C".

3. In Section 14a of the agreement, the figure "$1,419,336" is deleted and replaced with the figure "1,550,830".

4. As so amended, the Agreement remains in full force and effect.

CITY OF OXNARD

Dr. Thomas E. Holden, Mayor

CONSULTANT

Randall J. Krueger, P.E.
Black and Veatch Corporation

ATTEST:

Daniel Martinez, City Clerk

APPROVED AS TO INSURANCE:

James Cameron, Risk Manager

APPROVED AS TO FORM:

Alan Holmberg, City Attorney

APPROVED AS TO CONTENT:

Ken Ortega, Public Works Director

Lou Balderrama, Project Manager

EXHIBIT A1

SCOPE OF SERVICES

TASK 400 – DESIGN DEVELOPMENT AND SUBMITTALS

Progress Payments: Progress payments shall be prorated per task through the term of the contract and as documented in the detailed monthly Progress Report

Subtask 401 – Preparation of Contract Documents

The Recycled Water Backbone Pipeline (RWBP) Phase 1 project described in Agreement No. A-7134 is modified as follows:

- Deletion of open trench pipeline along Wooley Road between Ventura Road and Offshore Street.
- Inclusion of approximately 2,000 LF of open trench pipeline along Ventura Road north of the I-101 freeway to connect to River Park system.
- Capped stub connections from the RWBP located within Ventura Road to the sidewalk at Wooley Road.

TASK 600 – POST DESIGN SERVICES

Progress Payments: Progress payments shall be prorated per task based the term of the construction contract(s) and as documented in the detailed monthly Progress Report.

Subtask 603 – Request for Information and Change Orders

The RWBP Phase 1 project described in Agreement No. A-7134 is modified as follows:

- Deletion of open trench pipeline along Wooley Road between Ventura Road and Offshore Street.
- Inclusion of approximately 2,000 LF of open trench pipeline along Ventura Road north of the I-101 freeway to connect to River Park system.
- Capped stub connections from the RWBP located within Ventura Road to the sidewalk at Wooley Road.

TASK 700 – FIELD INVESTIGATIONS

Progress Payments: Progress payments shall be prorated per task through the term of the contract and as documented in the detailed monthly Progress Report.

Subtask 701. Site Survey within City of Port Hueneme

Consultant shall perform an ortho-referenced aerial survey and ground mapping along Ventura Road within City of Port Hueneme. Width of the survey along the proposed pipeline alignment will be up to the right of way.

Deliverables: Digital base maps to be used for the contract drawings

Subtask 702. Develop Basemap north of I-101 freeway

Consultant shall conduct desk top utility research along the alignment of approximately 2,000 LF of open cut pipeline along Ventura Road north of the I-101 freeway to connect to River Park system. City Survey crews will provide base site survey information. Coordinate with City Surveyor regarding information format and datums to be used by City survey team to ensure consistency with digital basemaps prepared by the Consultant under subtask 302.

Deliverables: Digital base maps to be used for the contract drawings

Subtask 703 – Conduct Initial Site Assessment of Pipeline Alignment

Consultant shall perform an Initial Site Assessment (ISA) to identify the possible presence of hazardous materials and their potential impact along the proposed pipeline alignment from the AWPF to the River Park Connection north of the I-101 freeway including the golf course loop. The extent of the ISA includes the section of pipeline to be constructed as part of the Ventura Road Utility Project in addition to the Phase 1 Recycled Water Backbone System Project.

The scope is limited to that considered appropriate for an ISA and is not considered a Preliminary Site Investigation, Preliminary Environmental Site Assessment or Preliminary Endangerment Assessment, which may be performed in a later phase. The basic task steps shall include the following:

1. Conduct an interview with City of Oxnard and City of Port Hueneme public work staff regarding issues they have encountered along the existing alignment.

2. Review previous consultants' reports, made available to us, for the area included within the project alignment.

3. Perform a hazardous materials database search for the subject alignment project.

4. Obtain and review historical aerial photography and maps covering the project alignment. The main purpose of the historical review will be to identify past operations or features that may be indicators of potential sources of hazardous materials.

5. Complete a site reconnaissance (windshield survey) of the project corridor to identify present land use and readily observable evidence of possible sources of hazardous materials.

6. Contact local regulatory agencies regarding the impact of any known hazardous materials sources in the project vicinity.

7. Prepare a draft ISA for the project corridor that includes the results of our review of available reports, the database search, site reconnaissance, and aerial photo review. The report will include discussions of identified or suspected hazardous material sites and recommendations for further review and/or investigation (if necessary) to verify or clarify information obtained during the study.

8. Provide response to comments and revisions of the ISA if necessary and complete the Final ISA.

Subtask 704 –Geotechnical Services for Environmental and NPDES Requirements

Consultant shall provide permitting, field exploration, laboratory testing, geotechnical evaluation and reporting for the Project as set out below:

1. Subsurface Exploration for Environmental Sampling. Based on the results of the ISA, sample up to ten (10) hollow-stem-auger drill holes along the proposed pipeline alignment at the approximate locations where the ISA indicates contamination may be present. The budget assumes that an encroachment permit will be obtained from both the City of Oxnard and from the City of Port Hueneme at no cost to Consultant. The permit application will include a traffic control plan in accordance with City's permit application requirements.

   The drill holes will be environmentally sampled for soil at selected intervals to a total depth of typically 10 to 15 feet below the existing ground surface, except for any borings within the Ventura Rd Utility Project area where depth could be up to 30 ft deep. Grab groundwater samples (where groundwater is encountered) will be obtained for environmental testing using disposable bailers from within the auger.

   Bulk samples will be obtained from the drill-hole cuttings for geotechnical testing. The drill holes will be backfilled with bentonite upon completion and topped with quick-setting cement. Cuttings will be placed in 55-gallon drums and tested for contaminants prior to disposal. Budget assumes about 2 drums per environmental boring (assuming borings are less than 15 feet deep), and each drum will be sampled for contaminant testing prior to being picked up. Drums will be picked up by an authorized courier and transported for the appropriate disposal.

   Selected soil and groundwater samples will be submitted to a State of California certified laboratory for chemical testing. The chemical testing program may include a broad spectrum of possible contaminants of concern based on the ISA findings. The budget assumes up to 4 groundwater samples will be obtained and analyzed, and that 2 soil samples from each boring will be submitted for chemical analysis to supplement data generated previously by City.

   Consultant shall not commence subsurface exploration for environmental sampling without written approval from the City.

2. Subsurface Exploration for Groundwater Sampling. 6 hollow-stem-auger drill holes shall be performed along the proposed pipeline alignment on Ventura Road, two to a depth of approximately 30 ft each and the remainder to a total depth of about 20 feet below the existing ground surface:

   Drill holes shall be sampled at about 2- to 5-foot intervals by driving Standard Penetration Test and Modified California samplers to the total depth. Bulk samples will be obtained from the drill-hole cuttings. The drill holes shall be backfilled with bentonite upon completion and topped with quick-setting cement. The budget assumes that cuttings can be distributed near the drill-hole locations and that no drums will be needed.

   Limited geotechnical laboratory testing will be performed on selected soil samples obtained from the drill holes to assist in soil classification and to evaluate engineering properties of the soils.

3. NPDES Sampling and Testing. Collection of water samples during drilling for items 1 and 2 above and the remaining eight (8) borings already authorized under Subtask 303 from within the augers for testing for anticipated dewatering permits. Samples will be obtained using a pump or a disposable bailer.

   The budget assumes ten (10) samples will be obtained, two (2) from the Ventura Road Utilities project and the remainder from the Recycled Water Backbone System Project and full-suite testing for NPDES permitting requirements (excluding dioxin and asbestos).

4. Geotechnical Evaluation/Reporting. Upon completion of the above tasks, geotechnical reports will be prepared summarizing findings and recommendations, as set out below:

   - Initial Draft report covering the borings conducted in May 2009 and associated lab testing and including review of published available data from recent pipeline projects along Hueneme Rd and at the AWPF.

   - Update to Initial Draft report to include the remaining borings authorized in original Agreement.

   - Separate report to cover items 1, 2 and 3 above.

Subtask 705 –Potholing Services

Provision of as-needed potholing services along the proposed pipeline alignment from the AWPF to the River Park Connection north of the I-101 freeway, including the golf course loop. Potholing may be required using either vacuum potholing or open pit excavation.

A provisional amount of $20,000 has been included in the budget for this subtask. Utilization of this budget shall be approved on a case by case basis by the City.

Deliverables: Pothole Report(s) with CAD files

EXHIBIT C1

FEE SCHEDULE

Task	Cost
TASK 400 – DESIGN DEVELOPMENT AND SUBMITTALS	
Amendment No.1 to Subtask 401	**($20,500)**
Revised Subtotal Task 400	**($20,500)**
TASK 600 – POST DESIGN SERVICES	
Amendment No.1 to Subtask 603	**($2,500)**
Revised Subtotal Subtask 603	**($2,500)**
TASK 700 – FIELD INVESTIGATIONS	
Subtask 701 – Site Survey within Port Hueneme	$9,500
Subtask 702 – Develop Basemap North of I-101 Freeway	$6,050
Subtask 703 – Conduct Initial Site Assessment of Alignment	$14,990
Subtask 704 – Geotechnical; Services for Environmental and NPDES Requirements	
Subsurface Exploration for Environmental Sampling	$38,815
Subsurface Exploration for Groundwater Sampling	$14,829
NPDES Sampling and Testing	$35,060
Geotechnical Evaluation / Reporting	$12,530
Subtask 705 – Potholing Services	$22,720
Subtotal Task 700	**$154,494**
TOTAL AMENDMENT NO.1	**$131,494**

CITY OF OXNARD

REQUEST FOR SPECIAL BUDGET APPROPRIATION

To the City Manager: July 21, 2009

Request is hereby made for an appropriation of total . . . . . . $ 131,494

Reason for appropriation: To provide for final design, bid phase and post design services for Phase 1 of the Recycled Water Backbone System.

FUND	DESCRIPTION/ACCOUNT	AMOUNT
WATER OPERATING (601)	BLENDING STATION #3 DESALTER 601-6554-821-8604 (Project 066011) Improvements/ Not Building-New	(131,494)
WATER OPERATING (601)	PHASE 1 RECYCLED WATER BACKBONE SYSTEM 601-6556-821-8201 (Project No. 096002) Contracts and Services / Architect / Engineer	131,494
	Net Estimated Change to Water Operating Fund Balance	**0**

Manager

CHIEF FINANCIAL OFFICER

DOES NOT REQUIRE CITY COUNCIL APPROVAL

Disposition

Approved _____

Rejected _____

Transfer by Journal Voucher _____

City Manager

Attachment No. 2