DRAFT – SUBJECT TO REVISION July 23, 1999

STATEMENT OF WORK

BASIN-SPECIFIC FEASIBILITY STUDIES/CONCEPTUAL DESIGNS
EVERGLADES PROTECTION AREA TRIBUTARY BASINS
For
The South Florida Water Management District

1.0 INTRODUCTION

A. GENERAL

Florida's 1994 Everglades Forever Act (F.S. 373.4592) and the federal Everglades Settlement Agreement (Case No. 88-1886-CIV-HOEVELER) establish both interim and long-term water quality goals designed to restore and protect the Everglades Protection Area. As defined in the Act and the Settlement Agreement, the Everglades Protection Area includes Water Conservation Areas 1, 2A, 2B, 3A, 3B, the Arthur R. Marshall Loxahatchee National Wildlife Refuge, and the Everglades National Park. Figure 1 is an overview of the Project Area.

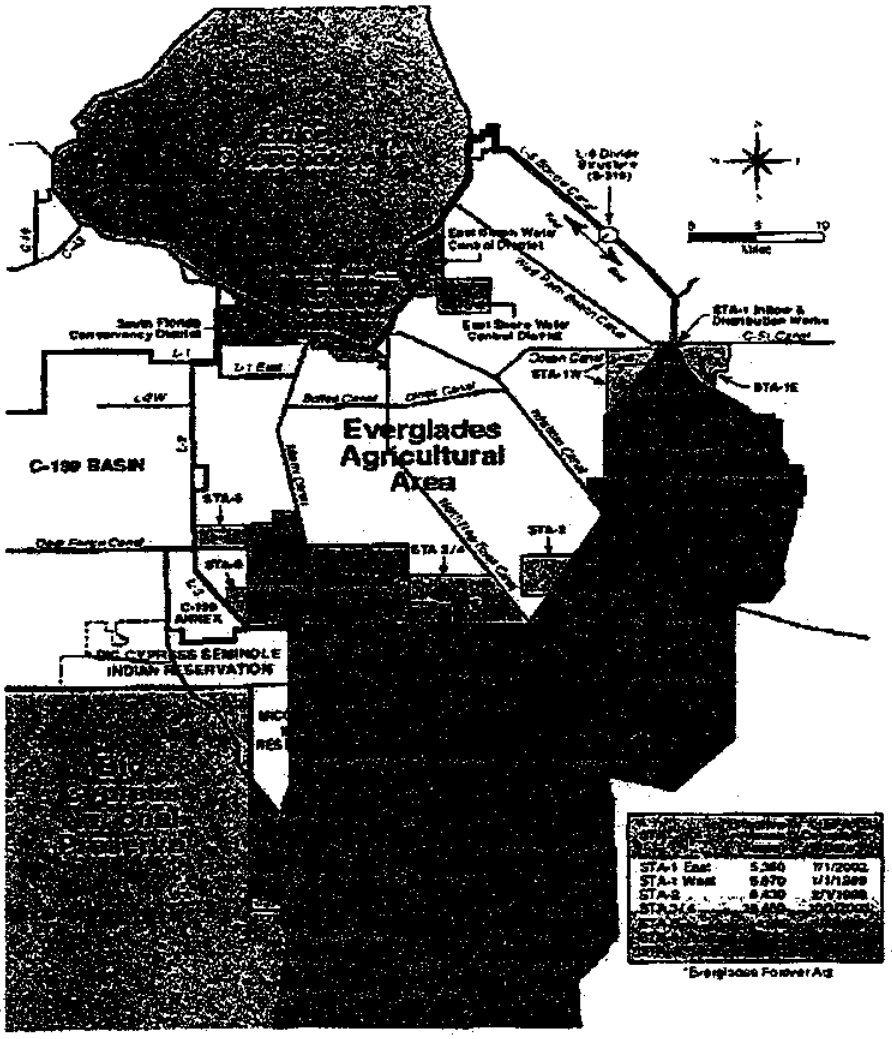
The purpose of this Statement of Work is for the completion of basin-specific feasibility studies and conceptual designs to integrate research, planning and other available information into water quality solutions to ensure that all waters discharged into the EPA from twelve hydrologic basins (seven Everglades Construction Project basins and five Everglades Stormwater Program basins) achieve water quality goals by December 31, 2006. Furthermore, the District reserves the right to award one or more Work Orders to one or more selected qualified firms, if it is deemed to be in the best interest of the District. The scope of the work and additional information herein provided is for the services associated with feasibility studies and conceptual designs. Because of the magnitude and comprehensive nature of this total work effort, the District encourages participation by diverse teams of firms with specific expertise.

Time is of the essence in completing the feasibility studies and conceptual designs. The Consultant(s) shall work with the District to identify ways of accelerating the schedule without jeopardizing the quality of the work.

Activities are currently underway to meet the interim goal of reducing phosphorus levels in discharges from the Everglades Agricultural Area and other sources to the Everglades Protection Area to a long-term annual flow-weighted mean concentration of 50 parts per billion (ppb). These activities include the implementation of Everglades Agricultural Area Best Management Practices (BMPs) and the construction of over 47,000 acres of Stormwater Treatment Areas (STAs) through the Everglades Construction Project (ECP). The ECP captures and treats water from seven

hydrologic basins, all of which are included in this Statement of Work.

Figure 1. Overview of Project Area.



Concurrent with implementation of the ECP, the District is implementing the Everglades Stormwater Program (ESP) to address the water quality issues associated with discharges from the remaining eight non-ECP Everglades tributary basins. Of these eight basins, five are included in this Statement of Work.

Also concurrent with these activities, the South Florida Water Management District (District) and other groups are conducting water quality research, ecosystem-wide planning (e.g., the C&SF Project Restudy), and regulatory programs to ensure a sound foundation for science-based decision making.

In accordance with the Everglades Forever Act, current research activities will provide the basis for the determination of the final EPA phosphorus criteria and are to be completed by December 31, 2001. Also in accordance with the Act, the EPA phosphorus criterion shall be 10 ppb in the event the Florida Department of Environmental Protection (DEP) does not adopt by rule such criterion by December 31, 2003. The Act further mandates that the Florida Department of Environmental Protection (DEP) establish the relationship between discharge levels and the water quality in the EPA. The Corps of Engineers Permit for the Everglades Construction Project requires "For the purposes of planning, 10 ppb shall be used as the design parameter pending adoption of the numeric criterion by the DEP or ERC."

An additional objective of the Everglades Forever Act is the restoration of a suitable hydroperiod in the Everglades Protection Area. Efforts are currently underway to develop a comprehensive program of operational practices to increase the total quantity of flows to the EPA at an ecologically optimum timing and distribution. Hydroperiod restoration is crucial to the revitalization of the Everglades ecosystem and will therefore be a key element in the overall restoration effort. The Act established a preliminary target of 28% increase in flow to the EPA compared to the 1979-88 period; the C&SF Restudy subsequently estimated an increase of approximately 19%.

The long-term goal of the Everglades Program restoration effort is to combine point source, basin-level and regional solutions in a system-side approach to ensure that all waters discharged into the Everglades Protection Area meet the numeric phosphorus criterion and other applicable state water quality standards by December 31, 2006. In order to achieve this goal, the District is implementing a strategy to ensure all water quality standards are met on a basin by basin basis. This strategy consists of conducting basin-specific feasibility studies/conceptual designs which will integrate information from research, regulation, and planning studies to determine the optimal combination of BMPs, optimized STA, advanced treatment technologies, Water Preserve Areas, etc., to meet the final water quality objectives. The relationship between the work effort covered under this Statement of Work and the overall restoration activities is presented in Figure 2.

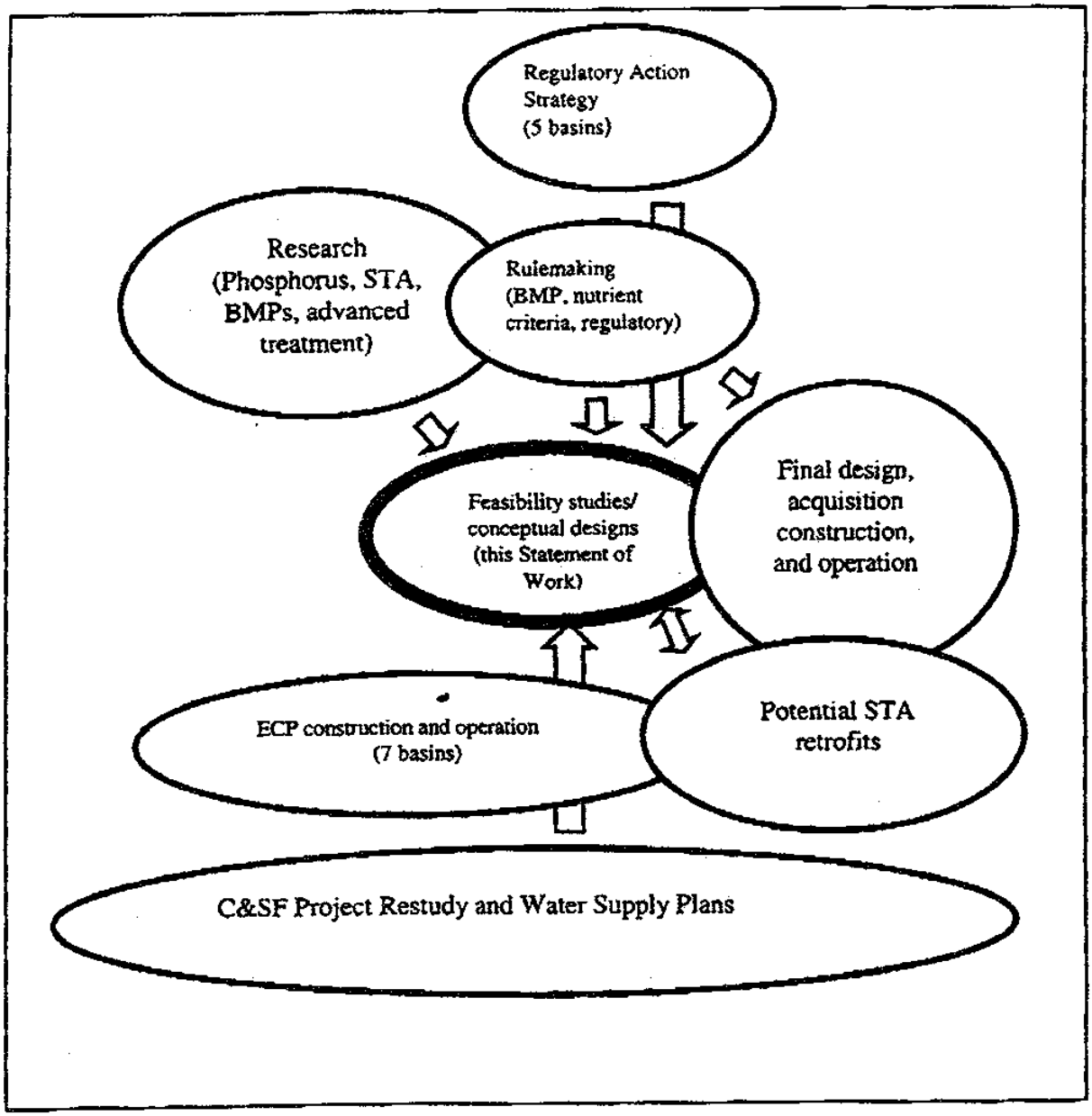


Figure 2. Relation between this Statement of Work and overall restoration activities.

Although unanticipated, there may be substantive changes in the underlying design criteria that occur during the course of the feasibility studies and conceptual designs, including inflow volumes, phosphorus loads, regional reservoirs, BMP performance, STA performance and/or design outflow phosphorus criteria. In recognition of these potential changes, this Statement of Work will be sufficiently flexible to ensure that the most accurate and timely information available is incorporated into the design.

B. PROJECT LOCATION

The project contains hydrologic basins that are located in Palm Beach, Broward, Hendry, and Collier Counties, Florida.

2.0 WORK OBJECTIVES

The purpose of this Statement of Work is to conduct basin-specific feasibility studies and conceptual designs for twelve Everglades Protection Area tributary basins (7 ECP basins and 5 ESP basins). These studies will integrate information from ongoing STA construction and operation activities, ongoing STA design activities (STA-1E, STA-3/4, and STA-6 Sec. 2), and ongoing research, regulation, and planning studies to determine the optimal combination of BMPs, optimized STAs, and advanced treatment technologies to meet the final water quality and water quantity objectives for the benefit of the Everglades.

It is anticipated that there will be seven steps in the development of the basin-specific feasibility studies and conceptual designs:

1) Characterize basin-specific baseline flows and loads.
2) Summarize basin-specific outflow water quality and quantity targets for discharges into the EPA.
3) Determine the treatment required to achieve the targets.
4) Determine alternative combinations of solutions (BMPs, STA Optimization, advanced treatment technologies, etc.).
5) Evaluate alternatives (technical, environmental, economic, financial, etc.).
6) Recommend optimal combination for each basin.
7) Develop basin-specific conceptual designs.

Feasibility studies and conceptual designs will be developed for each of the following Everglades Protection Area tributary basins shown in Table 1:

Table 1. Everglades Protection Area Tributary Basins included in Statement of Work

Basin	Canal	STA	EPA Receiving Water
S-5A	West Palm Beach Canal	STA-1E, STA-1W, STA-2	Refuge (WCA-1)
S-6	Hillsboro Canal	STA-2	WCA-2A
S-7	North New River Canal	STA-3/4	WCA-3A
S-8	Miami Canal	STA-3/4, STA-6	WCA-3A
C-139 (including the Annex)	L-3 Canal	STA-3/4, STA-5, STA-6 Sec. 2	WCA-3A
C-51W	West Palm Beach Canal	STA-1E , STA-1W	Refuge (WCA-1)
L-8	L-8 Canal	n/a	Refuge (WCA-1)
North Springs Improvement District	n/a	n/a	WCA-2A
North New River	North New River Canal	n/a	WCA-3A
C-11 West	C-11 West Canal	n/a	WCA-3A
Feeder Canal	L-28 Interceptor Canal	n/a	WCA-3A
L-28	L-28 Canal	n/a	WCA-3A

3.0 SCOPE OF WORK

A. GENERAL SCOPE OF PROFESSIONAL SERVICES

The Consultant shall provide professional engineering and environmental services for completion of basin-specific feasibility studies and conceptual designs. The basic services shall include, but not be limited to, site specific surveys; subsurface investigations and evaluations; hydrology, hydraulic, environmental and ecological analyses; economic evaluations; review and integration of research, regulatory and planning activities; and civil, structural, mechanical and electrical design. All engineering services shall be performed under the direction of a professional engineer registered in the State of Florida with qualifications in the required discipline(s). Accordingly, all survey

related activities shall be performed under the direction of a Professional Surveyor and Mapper registered in the State of Florida. All survey work will be done in accordance with the Minimum Technical Standards (MTS) set forth in Chapter 61G17-6 of the Florida Administrative Code. The Surveyor and Mapper will be qualified in the appropriate disciplines necessary to accomplish the work.

The Consultant shall insure that the design meets the intended use and performance of the Everglades Construction Project and the Everglades Stormwater Program and also minimizes the impacts to State of Florida and Federal jurisdictional surface waters and wetlands to the maximum extent practicable, consistent with the needs and function of the overall Everglades Program restoration effort. Impacts to be considered shall include both: 1) direct alterations to jurisdictional surface waters and wetlands and, 2) other project related activities which may adversely impact an on-site or an adjacent off-site jurisdictional surface water or wetland.

The Consultant shall also insure that the design meets all applicable regulatory requirements, proper engineering design standards and applicable codes and, as applicable, be responsible for closely coordinating the design with other Everglades Program project elements. The Consultant(s) shall insure that all of the requirements of these other project elements, such as research, regulation, and planning studies, are met through the design. The ongoing nature of these research, regulation, and planning studies will require flexibility on the part of the Consultant to ensure that the most accurate information available is incorporated into the design. The Consultant(s) will present and discuss work products at technical review meetings, and address peer-review comments in final documents.

The Consultant shall document all assumptions used in the development of the feasibility studies and conceptual designs, and shall provide a basis/justification for each assumption. The Consultant shall document all technical references used in completing the work effort.

B. SPECIFIC STUDIES AND SERVICES

The Consultant shall provide specific studies and services which may include, but not be limited to:

1. Basic Considerations: Development of the basic considerations (i.e., water quality and water quantity project objectives, and evaluation methodology) and assumptions of the alternatives.
2. Hydrology: Provide preliminary hydrologic analysis of the alternatives for development of the design criteria for the various project works.
3. Hydraulic Design: Provide preliminary hydraulic analysis for design of the project works including canals, levees, control structures, bridges, and pump stations.
4. Wetland System Design: Confirm and improve current design assumptions in regard to wetland systems (including biology, ecology, hydrology, soils, etc.) as they apply to treatment of the

EPA flows.

5. Geology and Soils: Perform subsurface investigations and laboratory analysis for the preliminary foundation designs of the project structures and the earthwork design for the project levees, canals and embankments.
6. Structural Design: Provide stability and design analysis for the various project works including the canal and levee alignments. The general features of the structures, dewatering considerations, bypass requirements, and other support facilities shall be defined and developed through the preliminary engineering phase.
7. Machinery and Equipment: The preliminary mechanical designs of the pump stations and control structures shall be provided including the pump equipment and auxiliaries, station service systems, and gate operating equipment.
8. Electrical Design: Provide the preliminary electrical design for the power service, distribution, controls, grounding, lighting and wiring.
9. Real Estate: Determine and define the land requirements based on the project design and provide estimates of costs.
10. Cost Estimates: Provide preliminary construction cost estimates of the various project works.
11. Design and Construction Schedule: Develop the sequence of work and a detailed project schedule based on preliminary design.
12. Operation and Maintenance: Define the projected operation and maintenance requirements of the project including preliminary operating procedures based on the treatment objectives of the project.
13. Regulatory Permit Assistance: Coordinate directly with regulatory agencies as necessary to identifying regulatory requirements and permittability of options. Prepare permit drawings and provide permitting support. Perform environmental assessments.

C. WORK BREAKDOWN STRUCTURE

The following describes the anticipated tasks of this Statement of Work and the list of deliverables for each task. All work products shall be submitted to the District in both written and electronic format, unless other special arrangements are agreed upon. For all tasks, the Consultant shall document all assumptions used in the development of the feasibility studies and conceptual designs, and shall provide a basis/justification for each assumption. The Consultant shall document all technical references used in completing the work effort. All deliverables shall be submitted in electronic format (e.g., MS Word version 7.0, Excel, and AutoCAD Release 14) along with 10 hardcopies. Numerous presentations are anticipated during the conduct of this work. All presentation materials and a summary of the discussions during the presentations will be submitted by the Consultant.

TASK 1: PARTNERING AND QA/QC PROJECT PLAN. The Consultant(s) and their team shall participate in a partnering workshop with the District and other invited parties. The Consultant shall prepare and submit a project QA/QC Plan establishing procedures for quality assurance and quality control. This plan shall include project management issues such as frequency of project coordination and progress review meetings.

Task 1 Deliverables. A draft report summarizing the work efforts of this task will be prepared and submitted to the District for review. District review comments will be provided within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the Consultant shall prepare and submit a final report which addresses the District's review comments. Task 1 shall be deemed complete upon District review and acceptance of the final report.

TASK 2: CHARACTERIZE BASIN-SPECIFIC BASELINE FLOWS AND LOADS

The Consultant shall compile existing hydrologic and water quality data in order to develop basin-specific summaries of baseline flows and loads. District will provide existing South Florida Water Management Model simulation results for Consultant's use. The Consultant shall document or reference all past project findings, reports, etc., pertinent to the basis of design and establish the basic assumptions for baseline flows and loads for each of the basins. These shall include assumptions regarding projected runoff characteristics and the influence of existing and proposed land-uses, agricultural practices, and water management practices (e.g., Lake Okeechobee regulatory programs, STAs, Restudy, and water supply plans) will have on such discharges.

The Consultant shall develop a spreadsheet-based hydrologic and phosphorus model for each of the basins for use in subsequent Tasks. The basin-specific models will be used to simulate the discharge characteristics (monthly mass-balance results) associated with adjustments in each of the following variables:

1. Source control (e.g., BMPs),
2. Potential reservoir upstream of the STAs,
3. Potential pre-treatment prior to entering the STAs,
4. Potential STA performance (including STA-optimization),
5. Potential post-treatment prior to discharge from the STA, and
6. Potential treatment downstream of the STAs and prior to discharge into the EPA.

A schematic of this is presented in Figure 3.

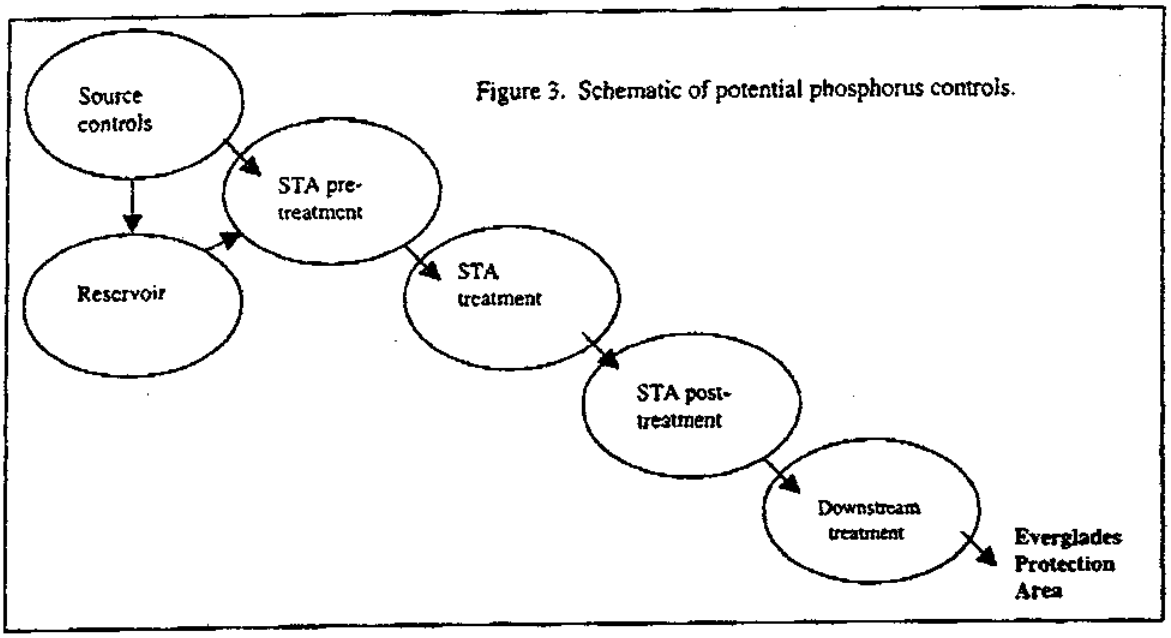


Figure 3. Schematic of potential phosphorus controls.

Previous reports expected to assist the Consultant in this design phase include, but are not limited to, the following: 1994 Everglades Protection Project Conceptual Design by Burns and McDonnell, General Design Memoranda for each of the STAs, Detailed Design Reports for each of the STAs, 1992 Everglades SWIM Plan, April 1999 C & SF Restudy Final Integrated Feasibility Report and Programmatic Environmental Impact Statement, Everglades BMP Program annual reports, STA annual monitoring reports, January 1999 Everglades Interim Report, Everglades Stormwater Program Regulatory Action Strategy Implementation Plan, and reports relating to the evaluation of advanced treatment technologies.

One or more presentations to technical review committees are anticipated.

Task 2 Deliverables. A draft report summarizing the work efforts of this task, including the spreadsheet model, will be prepared and submitted to the District for review. District review comments will be provided within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the Consultant shall prepare and submit a final report which addresses the District's review comments. Task 2 shall be deemed complete upon District review and acceptance of the final report and the spreadsheet model.

TASK 3. DETERMINE THE INFLUENCE OF RESTUDY PROJECTS AND PROPOSED TALISMAN LAND-USE CHANGES ON BASELINE FLOWS AND LOADS

The Consultant shall compile a basin by basin inventory of Restudy projects and proposed Talisman land-use changes, and shall document project timeframes and anticipated impacts on the proposed baseline flows and loads. This task shall be conducted concurrent with Task 2, and the report shall be updated monthly throughout the completion of the Statement of Work (ending with completion of Task 7) to ensure continual synchronization with the Restudy plans.

One presentation to a technical review committee is anticipated.

Task 3 Deliverables. A draft report summarizing the work efforts of this task will be prepared and submitted to the District for review. District review comments will be provided within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the Consultant shall prepare and submit a final report which addresses the District's review comments. The report shall be updated monthly thereafter to ensure continual synchronization with the Restudy plans. For payment purposes, Task 3 shall be deemed partially complete upon District review and acceptance of the monthly reports.

TASK 4: SUMMARIZE BASIN-SPECIFIC OUTFLOW TARGETS

The Consultant shall compile applicable nutrient threshold rulemaking results, or interim recommendations from the DEP, ERC, and other agencies, to summarize basin-specific outflow targets for all water quality parameters including phosphorus. In addition, the Consultant shall characterize basin-specific water quantity outflow targets including volume, timing, and distribution, consistent with the hydropattern restoration objectives of the project and the Restudy. It is anticipated that the simulation results from the South Florida Water Management Model will be used as the basis for water quantity analyses. District shall provide Consultant with one or two simulation runs for completion of this task. The Consultant shall document or reference all past project findings, reports, etc., pertinent to basis of design and establish the basic design assumptions and criteria for each of the basins.

One or more presentations to technical review committees are anticipated.

Task 4 Deliverables. A draft report summarizing the work efforts of this task will be prepared and submitted to the District for review. District review comments will be provided within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the Consultant shall prepare and submit a final report which addresses the District's review comments. Task 4 shall be deemed complete upon District review and acceptance of the final report.

TASK 5: DETERMINE THE TREATMENT REQUIRED TO ACHIEVE TARGETS

Using results from Tasks 2, 3 and 4, the Consultant shall determine the treatment required to achieve long-term targets for all applicable water quality standards. This task will include determining temporal variations in required treatment due to influence of other projects coming on line (i.e., Restudy). The Consultant shall document or reference all past project findings, reports, etc., pertinent to basis of design and establish the basic design assumptions and criteria for each of the basins.

One or more presentations to technical review committees are anticipated.

Task 5 Deliverables. A draft report summarizing the work efforts of this task will be prepared and submitted to the District for review. District review comments will be provided within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the Consultant shall prepare and submit a final report which addresses the District's review comments. Task 5 shall be deemed complete upon District review and acceptance of the final report.

TASK 6: DETERMINE ALTERNATIVE COMBINATIONS OF TREATMENT SOLUTIONS

From the results of previous tasks of this Statement of Work, and results from BMP research, STA optimization research, advanced treatment technologies research, and other ongoing research activities, the Consultant shall determine alternative combinations of treatment solutions that are applicable and beneficial to the project. Data and information from the advanced treatment technologies research is being collected and organized by other contractors in a standard format – referred to as the Supplemental Technologies Standard of Comparison (included as Attachment A to this Statement of Work). The Consultant shall consider all reasonable combinations of alternatives, rejecting only those which do not appear to be technically or economically feasible, and selecting two or three combinations for each basin which offer the prospect of optimum treatment return. The Consultant shall document or reference all past project findings, reports, etc., pertinent to basis of design and establish the basic design assumptions and criteria for each of the basins.

One or more presentations to technical review committees are anticipated.

Task 6 Deliverables. A draft report summarizing the work efforts of this task will be prepared and submitted to the District for review. District review comments will be provided within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the

Consultant shall prepare and submit a final report which addresses the District's review comments. Task 6 shall be deemed complete upon District review and acceptance of the final report.

TASK 7: EVALUATE ALTERNATIVES

The Consultant shall perform a detailed analysis of the basin-specific alternative treatment combinations formulated in Task 6. The Consultant, together with District staff, shall develop the framework for the evaluation. The analyses shall include all applicable factors affecting the feasibility of implementation including technical, environmental, regulatory, economic, financial, and permitting. The Consultant shall also utilize the basin-specific hydrologic and phosphorus modeling developed in Task 2 to evaluate the alternative combinations. Consultant shall determine if any substantive changes to baseline flows and loads have occurred since completion of Task 4. If so, District will provide one or two SFWMM simulation runs to update water quantity outflow targets, and Consultant shall revise previous tasks as appropriate. Consultant shall prepare reports on the final alternatives showing preliminary costs (with associated confidence intervals, e.g., +/- 30%), water quality and quantity benefits, and intangible factors. Prior to finalizing, the Consultant shall submit the reports for review by the District's staff and the District's Governing Board. Cost estimates for any given project alternative shall be of a level of detail necessary for comparison and shall not represent a final estimate of cost. The Consultant shall document or reference all past project findings, reports, etc., pertinent to basis of design and establish the basic design assumptions and criteria for each of the basins.

One or more presentations to technical review committees are anticipated.

Task 7 Deliverables. A draft report summarizing the work efforts of this task will be prepared and submitted to the District for review. District review comments will be provided within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the Consultant shall prepare and submit a final report which addresses the District's review comments. Task 7 shall be deemed complete upon District review and acceptance of the final report.

TASK 8: RECOMMEND OPTIMAL COMBINATION FOR EACH BASIN

Using results of Task 7, the Consultant shall use best professional judgment to recommend the optimal combination of treatment solutions for each basin. The Consultant's report shall fully document the basis for the recommendation. The Consultant shall document or reference all past project findings, reports, etc., pertinent to basis of design and establish the basic design assumptions and criteria for each of the basins.

One or more presentations to technical review committees and the District's Governing Board are anticipated.

Task 8 Deliverables. A draft report summarizing the work efforts of this task will be prepared and submitted to the District for review. District review comments will be provided within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the Consultant shall prepare and submit a final report which addresses the District's review comments. Task 8 shall be deemed complete upon District review and acceptance of the final report.

TASK 9: DEVELOP BASIN-SPECIFIC CONCEPTUAL DESIGNS

After the Governing Board has approved an optimal combination of water quality control programs, the Consultant shall develop conceptual designs for each basin. The Consultant shall document or reference all past project findings, reports, etc., pertinent to basis of design and establish the basic design assumptions and criteria for each of the basins. The conceptual designs may include, but not be limited to the following components.

Subtask 9.1. Project Site Development: Provide site surveys and subsurface investigations necessary to support the preliminary design effort.

Subtask 9.2. Physical Works Design: Provide the preliminary design to define the basic structure of the facilities required to achieve the objectives of the selected plans. The conceptual designs shall provide guidance for the subsequent detailed designs. The physical works shall include earthworks, conveyance structures, pumping stations, and various other site improvements.

Subtask 9.3. Project Operation and Maintenance: Provide preliminary definition of operation and maintenance of all treatment systems proposed.

Subtask 9.4. Opinion of Cost Estimates: Provide preliminary cost estimates for the project's construction, operation and maintenance.

Subtask 9.5. Project Schedule: Develop a preliminary schedule for design and construction of the project.

One or more presentations to technical review committees and the District's Governing Board are anticipated.

Task 9 Deliverables. For each basin, a draft report summarizing the work efforts of this task will be prepared and submitted to the District for review. District review comments will be provided

within 14 days of receipt. Within 14 calendar days following transmittal of District comments, the Consultant shall prepare and submit a final report which addresses the District's review comments. Task 9 shall be deemed complete upon District review and acceptance of the final report.

TASK 10: MEETINGS

Throughout the completion of the feasibility studies and conceptual designs, Consultant shall work in close cooperation with District staff and participate in numerous project meetings and formal technical review meetings. Consultant will be responsible for preparing all materials for the meetings and shall prepare minutes for subsequent distribution. The following is a breakdown of anticipated meetings:

Subtask 10.1. Monthly Progress and Coordination Meetings. Consultant will prepare for and conduct monthly progress meetings with District staff. At each of the meetings, Consultant will submit a monthly progress report and an updated project schedule. The monthly progress meetings will also serve as forums for discussing changes in other ongoing project elements (i.e., research, regulation, and planning studies) which are relevant to this effort. Within 5 days of each meeting, Consultant will submit minutes to the District for distribution. A total of 35 one-half day progress meetings are anticipated over the course of three years.

Subtask 10.2. Deliverable Technical Review Meetings. Consultant will conduct multiple meetings to evaluate the technical merits of the major deliverable reports and documents, and to provide continuing opportunity for the District and other technical experts to offer input to the design process. The primary purposes of the technical review meetings will be to: (1) evaluate large cost items for areas of improvement; and (2) review the design criteria, assumptions, and preliminary designs for consistency with the design criteria and standards established at the initial kickoff meetings. Representatives of the District and other interested parties will be invited to attend the one-day technical review meetings. Review meetings will be held for the following deliverables:

1. Draft Baseline Flows and Loads Report including spreadsheet model.
2. Draft Restudy and Talisman Influence and Inventory Report
3. Draft Outflow Targets Report
4. Draft Determination of Required Treatment Report
5. Draft Alternative Combinations of Treatment Solutions Report
6. Draft Evaluation of Alternatives Report
7. Draft Optimal Combination of Treatment Solutions Report
8. Draft Conceptual Design Report (multiple meetings will be required, i.e., one meeting for each basin's draft conceptual design report)

Subtask 10.3. Restudy and Talisman Land-use Workshop

Consultant shall facilitate a one-day workshop with District staff to establish a general understanding of the goals and assumptions of the Restudy and the proposed Talisman land-use changes as related to this effort. This workshop will also be used to develop the basic assumptions for the SFWMM simulation runs which are to be provided by the District for the Consultant's use in completing the Work Order.

Subtask 10.4. Workshop to develop framework for evaluation of alternatives.

Consultant shall facilitate a one-day workshop with District staff to develop the framework for evaluating the alternative treatment solutions. The primary purposes of the workshop will be to: 1) Develop a framework for the initial development of potential alternative combinations of treatment solutions and a framework for selecting the two or three combinations for each basin which offer the prospect of optimum treatment return; and 2) Develop a framework for evaluating in detail the alternative treatment combinations formulated in Task 6.

D. TIME SCHEDULE AND TIME FRAMES

In order to meet the completion dates set forth in the permits and the Everglades Forever Act, time is of the essence in completing the feasibility studies and conceptual designs. Some of the more critical time frames of the Everglades restoration effort are identified below.

Legislative and Permit-related Deadlines:

- By January 1, 2001, the District shall submit to the Army Corps, DEP, and others, a final strategy for achieving compliance with state water quality standards by the December 2006 deadline.
- Pursuant to Special Condition #1 of the Army Corps 404 Permit, the District shall make best efforts to implement long-term water quality solutions for STA-2 discharges by September 2003.
- By December 31, 2003, the District shall submit to the DEP a permit modification to incorporate proposed changes to the ECP and its EFA mandated permits.
- All water delivered to the EPA to achieve compliance with state water quality standards by December 31, 2006.

Feasibility Studies/Conceptual Designs Target Completion Schedule:

It is anticipated that this Statement of Work will be initiated in October 1999.

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5.0 PAYMENT SCHEDULE

Payments will be rendered in fixed increments based on contract deliverables upon Task completions, or partial completions, and upon District final acceptance of project deliverables for each Task. The schedule of payments shall be developed during Work Order negotiations.