

P r e s e n t a t i o n



**Lake Pleasant
Water Treatment Plant
DBO Project:**

Project Overview


July 19, 2000

City of Phoenix
Water Services Department



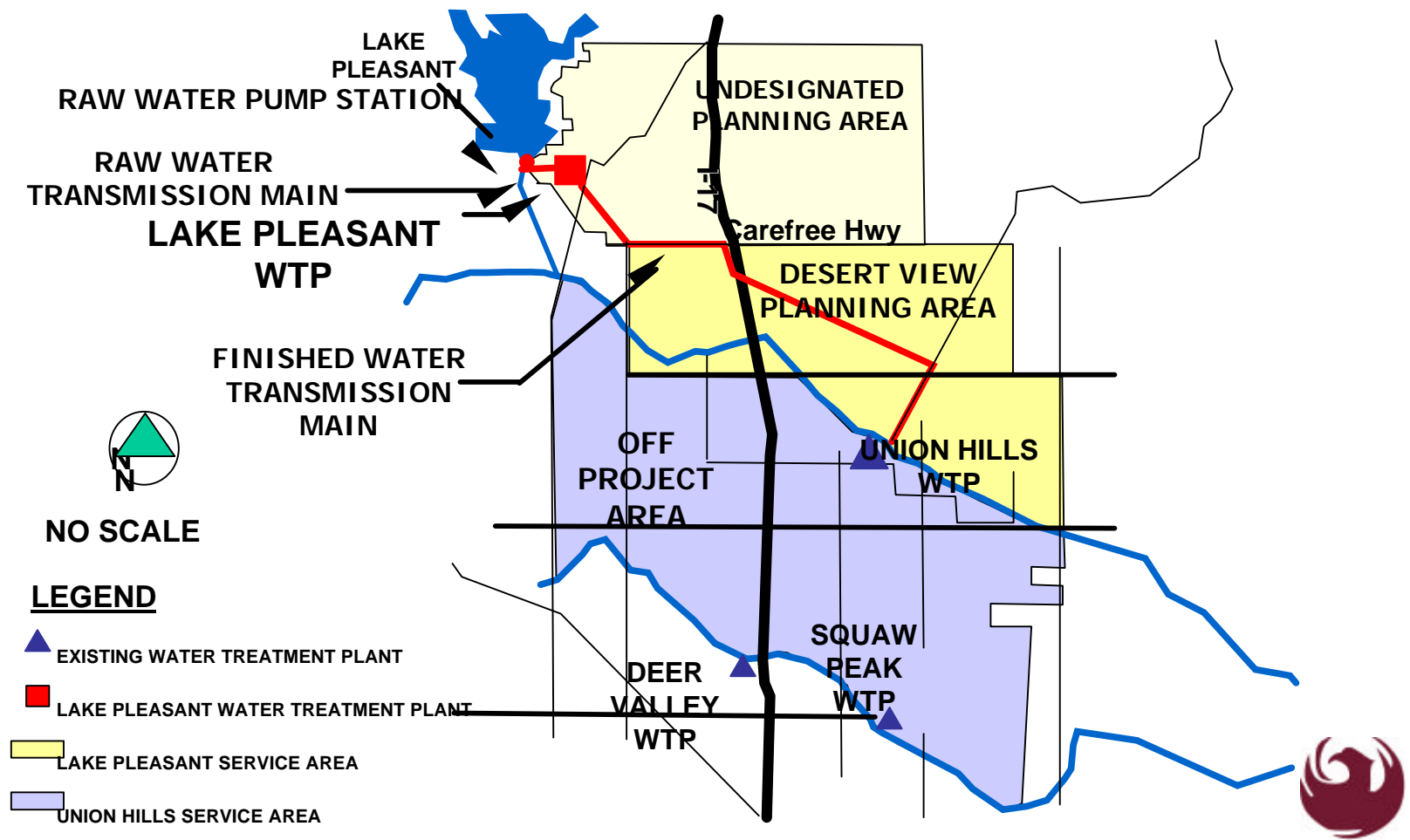
Overview of Project

Includes:

- **Water Treatment Plant**
- **Raw Water Transmission Main/Pumping Station**
- **Finished Water Pump Station**
- **Electric Substation**
 -  **The City encourages use of alternative energy sources**



Lake Pleasant Water Treatment Plant Project



Project Details

☰ Project Elements:

- Raw water pump station from Waddell Canal**
- Lake Pleasant Water Treatment Plant**
- Major finished water transmission main**

☰ Capacity: 80 mgd Initial / 320 mgd Ultimate

☰ Project Features:

- Fail-safe operations and minimum staff *via* instrumentation / technology**
- Easily upgradable to meet future Safe Drinking Water Act**

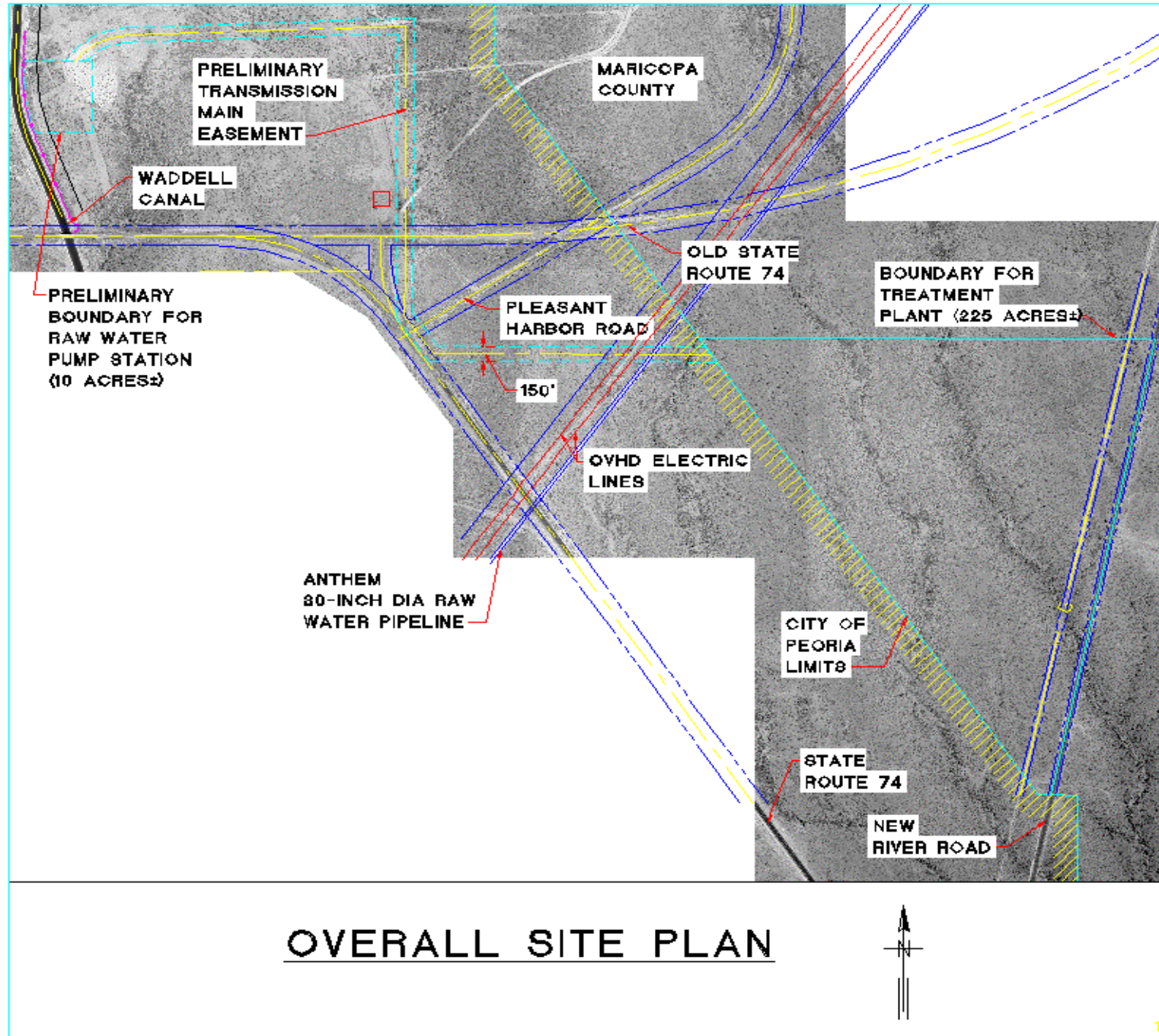
☰ Project Schedule: Start Construction in 2001; Operational by end of 2004



Delivery Method

- ☐ **DBO (for WTP, RWPS and Raw Water Transmission Main)**
- ☐ **DBB (for Finished Water Pipeline)**

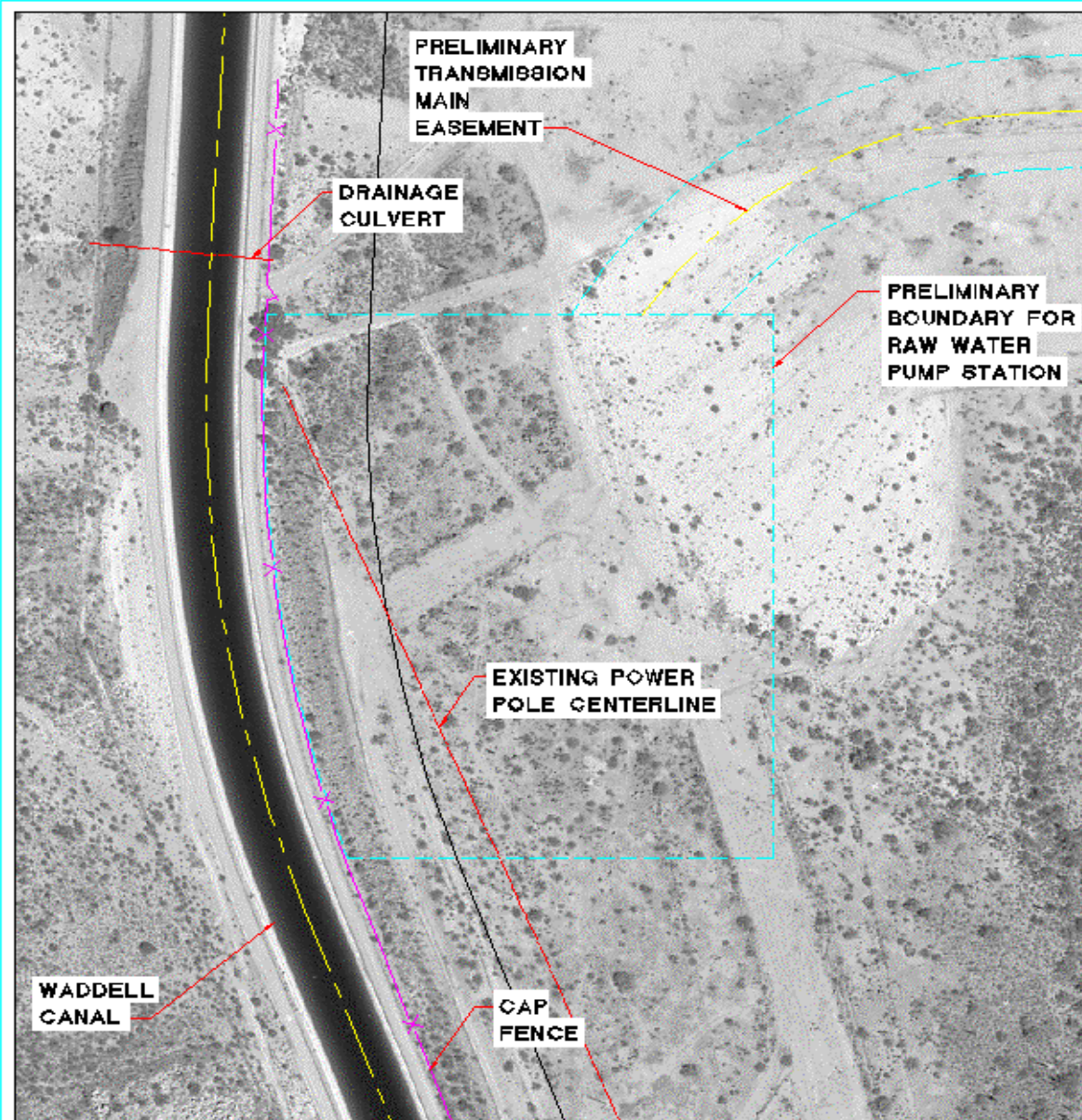




Raw Water Pumping Station Site - General

- ☐ **10-acre; roughly rectangular**
- ☐ **In City of Peoria**





RAW WATER PUMP STATION SITE



Raw Water Pumping Station Site - Environmental

Archaeological Investigations

- Scheduled for completion in August, 2000

Biological Assessment

- Scheduled for completion in August, 2000



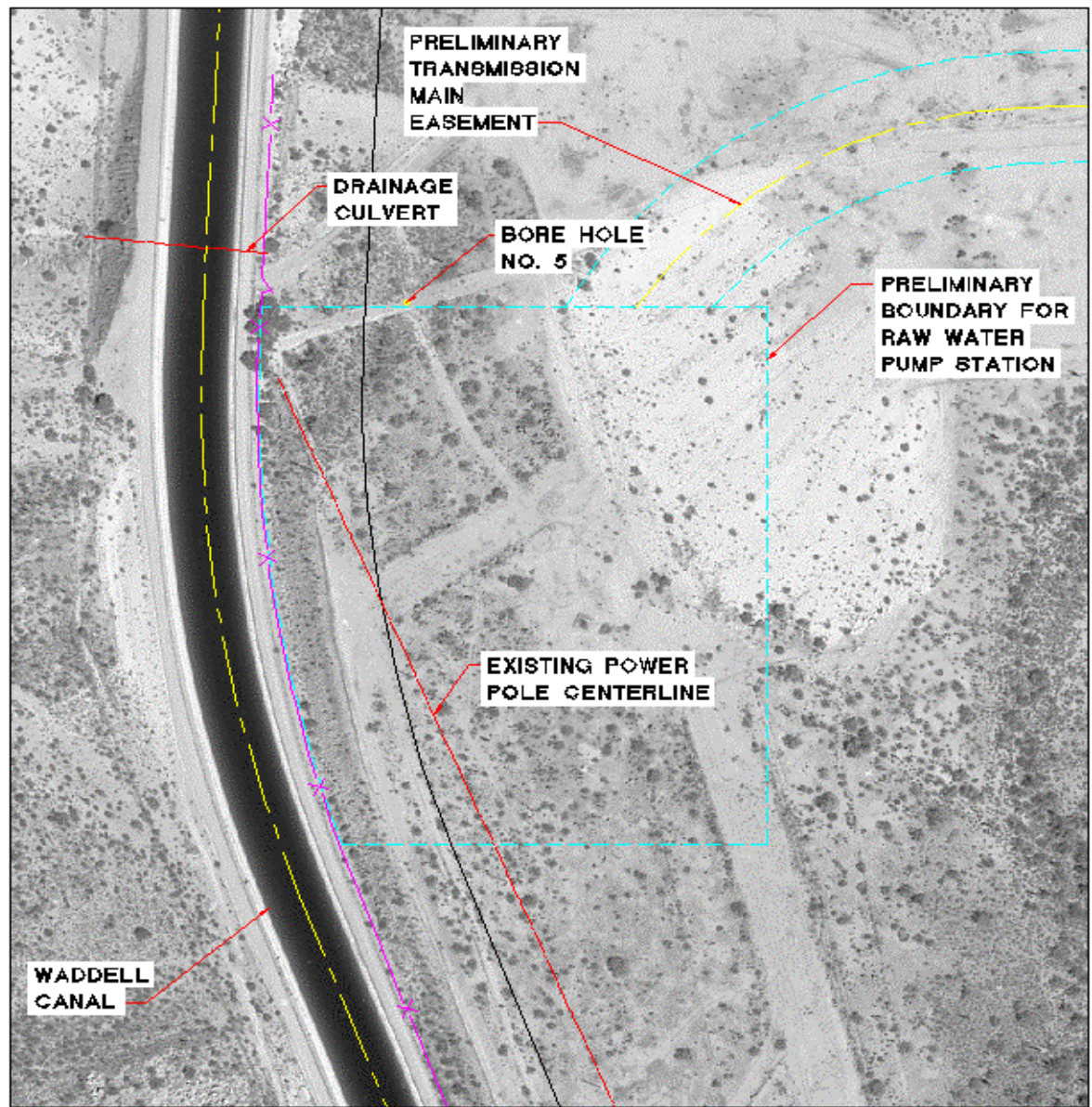
Raw Water Pumping Station Site - Preliminary Geotechnical

1 boring 60-feet deep (Bore Hole No. 5)

- Alluvial soils to depth of 10-feet
- Light to moderate cementation
- 10 - 44 feet conglomerate
- Hard to very hard
- 44 - 60 feet volcanic tuff
- Moderately hard

Additional borings scheduled





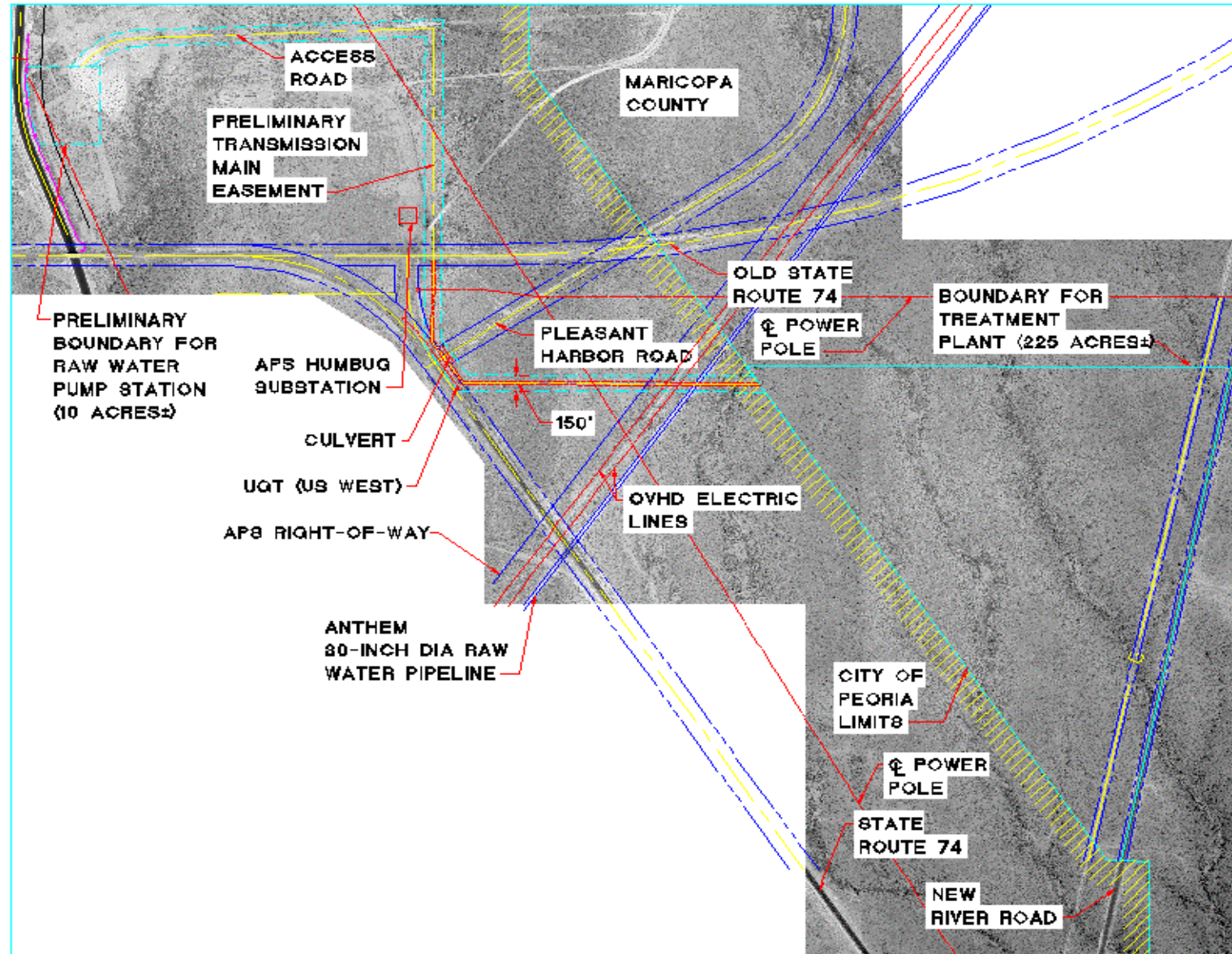
**RAW WATER PUMP STATION
PRELIMINARY GEOTECHNICAL BORING**



Raw Water Transmission Main Easement - General

- ☐ Owned by Bureau of Reclamation,
Arizona State Land Department**
- ☐ In City of Peoria**
- ☐ Nominal 150-foot wide easement**
- ☐ Archaeological Assessment and
Biological Assessment scheduled for
completion August, 2000**





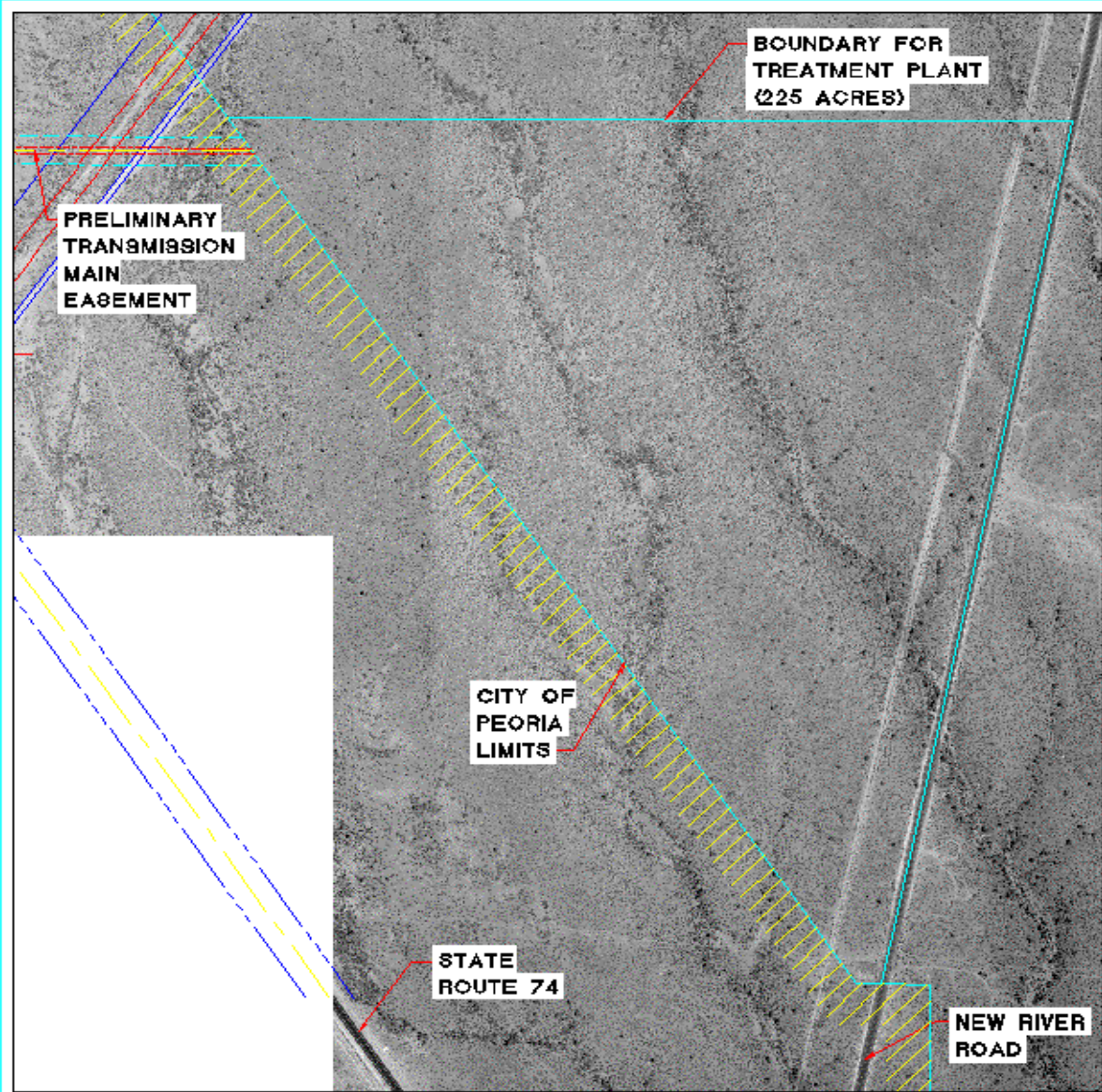
**RAW WATER TRANSMISSION MAIN
OVERALL SITE PLAN**



Treatment Plant Site - General

- ☐ Acquired from Arizona State Land Department in 1998**
- ☐ In Maricopa County**
- ☐ Access from New River Road**
- ☐ Approximately 225 acres; triangular in shape**





TREATMENT PLANT SITE



Treatment Plant Site - Environmental

Archaeological Investigations

- Surveys completed in 1996-1997
- Studies concluded that no further investigation is necessary

Biological Assessment

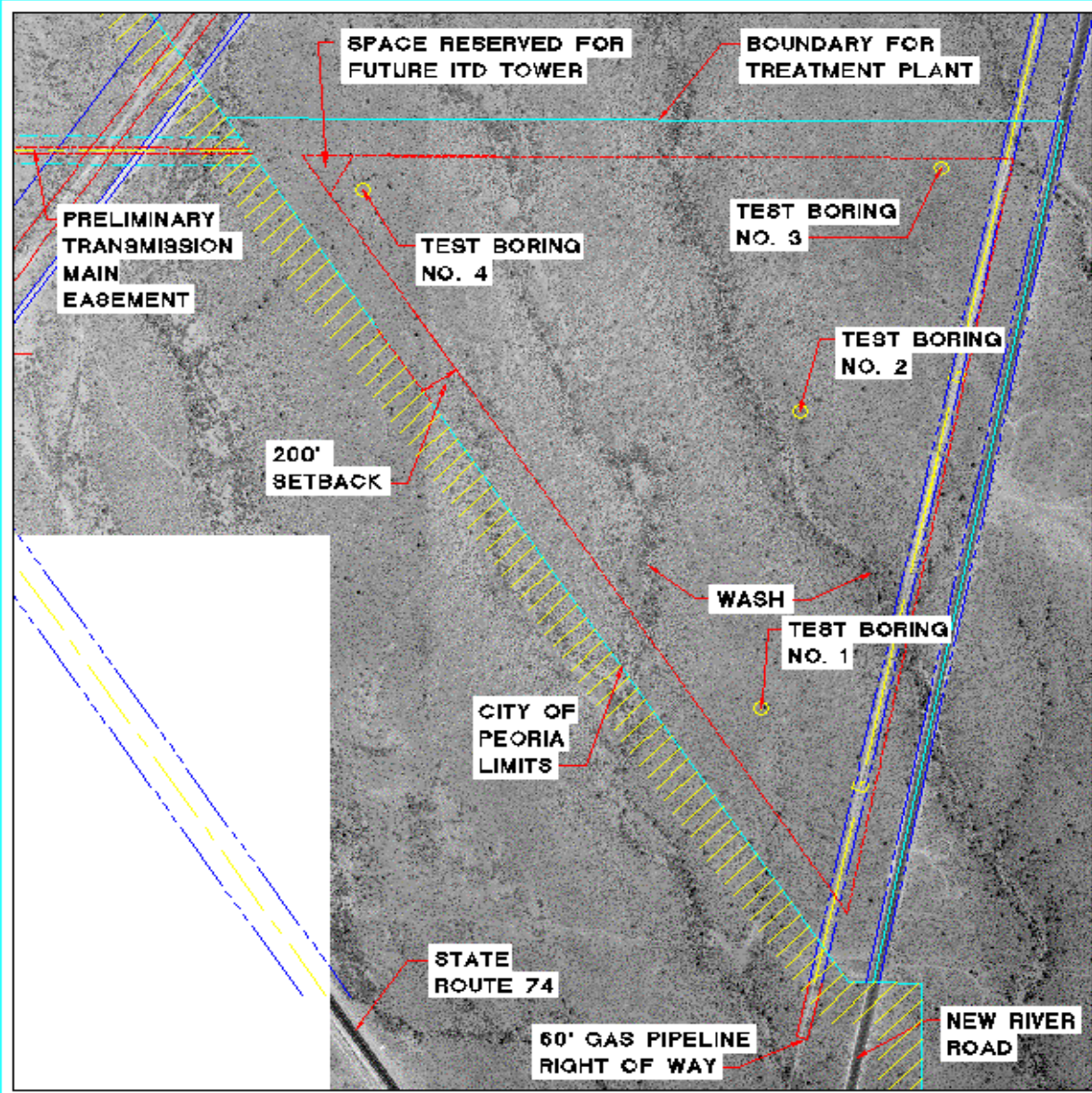
- Studies initiated in February, 2000
- Studies concluded that there is no designated or proposed critical habitat within the proposed Water Treatment Plant site



Treatment Plant Site - Preliminary Geotechnical

- ☰ 4 borings, 50-feet deep (Test borings 1-4)**
- ☰ All borings relatively uniform**
 - Older alluvial soil - silty sand, gravel, cobbles and occasional boulders**
 - Moderate to heavy cementation**
 - Layers of very heavy cementation**
 - Additional borings scheduled**





TREATMENT PLANT SITE



Treatment Plant Site - Restrictions

- ☰ **60' El Paso natural gas transmission main easement**
- ☰ **Washes**
 - Jurisdictional delineation initiated
 - Impacts greater than 0.10 acre expected; individual permit will be required
- ☰ **Setbacks**
 - 200' setback typical



Packaged Project Schedule

Task Name	2000				2001				2002				2003				2004			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Project Development</i>	█				█															
<i>DBO Implementation</i>									█				█				█			
<i>Select FWP Designer</i>					█															
<i>FWP Design (DBB)</i>					█				█											
<i>FWP Construction (DBB)</i>									█				█							



Related Items

- ☰ **Finished Water Transmission Main is a companion project being procured by DBB process**
- ☰ **Excluded Treatment Processes:
Chloramines**



P r e s e n t a t i o n



***Lake Pleasant
Water Treatment Plant
DBO Project:
Overview of Draft RFQ
July 19, 2000***

City of Phoenix
Water Services Department



Overview of RFQ

- ☰ Have to be on City list for official copy**
 - Note: Website is not an official copy**
- ☰ RFQ open for comments**
 - Comment period closes 7/26/2000**
 - Comment on terms and registration**
- ☰ City will conduct interviews**



RFQ Outline

Introduction / Background

Project Specific Information

Procurement Process

-  Documents

-  Evaluation / Selection / Schedule

-  Procedures (Communications/Honorarium/Work for Hire)

Submittal of Qualifications

-  Content

-  Format

Evaluation and Ranking of Submissions



Sections 1 and 2

1 Introduction

- **1.1 Project Overview**

- **1.2 Glossary**

 -  **1.2.1 Abbreviations**

 -  **1.2.2 Definition of Terms**

2 Project Background and Consultant Support Team

- **2.1 Project Background**

- **2.2 City's Consultant Support Team**

- **2.3 Selection Committee**

- **2.4 No Conflict of Interest**



Section 3

- ☰ 3 Project Specific Information**
 - 3.1 Background and Project Need**
 - 3.2 General Treatment Requirements**
 - 3.3 Selected Site, Available Information, Environmental Review, and Permitting**
 - ✎ 3.3.1 Selected Site Description**
 - ✎ 3.3.2 Permitting**
 - ✎ 3.3.3 Available Raw Water Quality Data**
 - ✎ 3.3.4 Bench-Scale and Pilot-Scale Testing**
 - ✎ 3.3.5 Geotechnical Investigations**
 - ✎ 3.3.6 Archaeological Investigations**
 - ✎ 3.3.7 Biological Assessment**



Section 3

3 Project Specific Information (cont'd)

- **3.4 Facility Ownership and Financing**

- **3.5 Overall Risk Posture**

 -  **3.5.1 Project Guarantor**

 -  **3.5.2 Security for Performance**

 -  **3.5.3 No Limitation on Liability**

- **3.6 Reference Documents Available**

- **3.7 Equal Opportunity Requirements**

 -  **3.7.1 Affirmative Action**

 -  **3.7.2 Minority- and Women-Owned Business Enterprises (MBE and WBE) Utilization**



Section 4









4 Procurement Process

- 4.1 Procurement Objectives
- 4.2 Communications Protocol
- 4.3 Site Tour and Pre-SOQ Conference
- 4.4 RFQ and Qualifications Submittal
- 4.5 SOQ Evaluation
- 4.6 RFP and Proposal Submittal
- 4.7 Proposal Security Requirements
- 4.8 Proposal Evaluation
- 4.9 Decision to Proceed
- 4.10 Procurement Schedule
- 4.11 Expenses of the Respondents and Payment of an Honorarium
- 4.12 Information Disclosure to Third Parties
- 4.13 Rights of the City



Section 5

5 Submittal of Qualifications

- 5.1 General Instructions
- 5.2 Information Requirements of Qualifications Submittal
 -  5.2.1 Transmittal Letter
 -  5.2.2 General Information (Company/Team)
 -  5.2.3 Technical Qualifications
 -  5.2.4 Relevant Project Experience
 -  5.2.5 Financial Qualifications
 -  5.2.5.1 Project Guarantor
 -  5.2.5.2 Financial Information
 -  5.2.5.3 Direct Financial Questions
- 5.3 Comments on Project Concepts



Section 6

6 Evaluation and Ranking of Submissions

- **6.1 Transmittal Letter**
- **6.2 Technical Evaluation**
- **6.3 Financial Evaluation**





List of Tables

- **Table 1 Lake Pleasant Water Treatment Plant and Facilities, Preliminary Listing of Regulatory Reviews, Plans, Approvals, Permits and Certifications**



Attachments

List of Attachments

- A - Site Plan**
- B - Preliminary Performance Standards**
- C - Preliminary Contract Principles**
- D - Reference Documents**
- E - Communications Protocol**
- F - Forms**
 -  **#1 - Key Project Staff**
 -  **#2 - Relevant Project Experience**
 -  **#3 - Financial Resources Data**
 -  **#4 - Bank Credit Reference**
- G - Statement of Qualifications Transmittal Letter**
- H - Affirmative Action Plan**

Section 5 Submittal of Qualifications

 **Goal: Select most technically-qualified firms having strong financial strength to perform the project**

 **+/- Threshold Requirements**

 **Project Guarantor**

 **Acceptance of Business Principles**

 **MBE/WBE**





 **Intent to Participate if Short-listed**



Qualifications (1)

Technical Qualifications

Experience and Past Performance (Firm/Team)






-  **Design Experience and Past Performance on Similar Projects**
-  **Regulatory Compliance and Permitting Experience and Past Performance on Similar Projects**
-  **Construction Experience and Past Performance on Similar Projects**
-  **Operations and Maintenance Experience and Past Performance on Similar Projects**



Qualifications (2)

Technical Qualifications (Continued)

Key Project Staff Experience and Ability of Professional Personnel


-  **Design Experience and Past Performance on Similar Projects**
-  **Regulatory Compliance and Permitting Experience and Past Performance on Similar Projects**
-  **Construction Experience and Past Performance on Similar Projects**
-  **Operations and Maintenance Experience and Past Performance on Similar Projects**
-  **Alternative Contracting Experience and Past Performance on Similar Projects**



Qualifications (3)

Other Technical Issues

-  **Sustainability**

-  **Successful Experience with State of Arizona and MCESD in obtaining regulatory approvals**



Qualifications (4)

☰ Financial Qualifications - Items to be considered for Project Guarantor and/or Respondent

- ◆ **Project Guarantor states ability to meet funding needs of the Project**
- ◆ **Evidence of ability to meet security requirements**
- ◆ **Bankruptcy**
- ◆ **Legal proceedings or judgements that resulted in an unfavorable resolution**
- ◆ **Material adverse changes in financial position**
- ◆ **Barred from bidding on public contracts**
- ◆ **Project Guarantor credit rating**
- ◆ **Total Net Worth of Project Guarantor relative to Project size**
- ◆ **Other factors**



Request for Comments

- ☐ **Section 5.3 The Project and Contractual Concepts**
- ☐ **Service Agreement / Contract Term**
- ☐ **Items that will enhance the DBO Solicitation Process and allow for cost-competitive and creative proposals**
- ☐ **Comments on the evaluation and selection criteria for RFP will not be accepted**
- ☐ **Comments in writing to Madeline Goddard by July 26, 2000**



P r e s e n t a t i o n



***Lake Pleasant
Water Treatment Plant
DBO Project:***

Submittal Requirements

July 19, 2000

City of Phoenix
Water Services Department



Submittal Requirements

- ☐ Numerous Forms**
- ☐ Do a conformance check before submitting SOQ and Proposal**



P r e s e n t a t i o n



**Lake Pleasant
Water Treatment Plant
DBO Project:**

Procurement Schedule

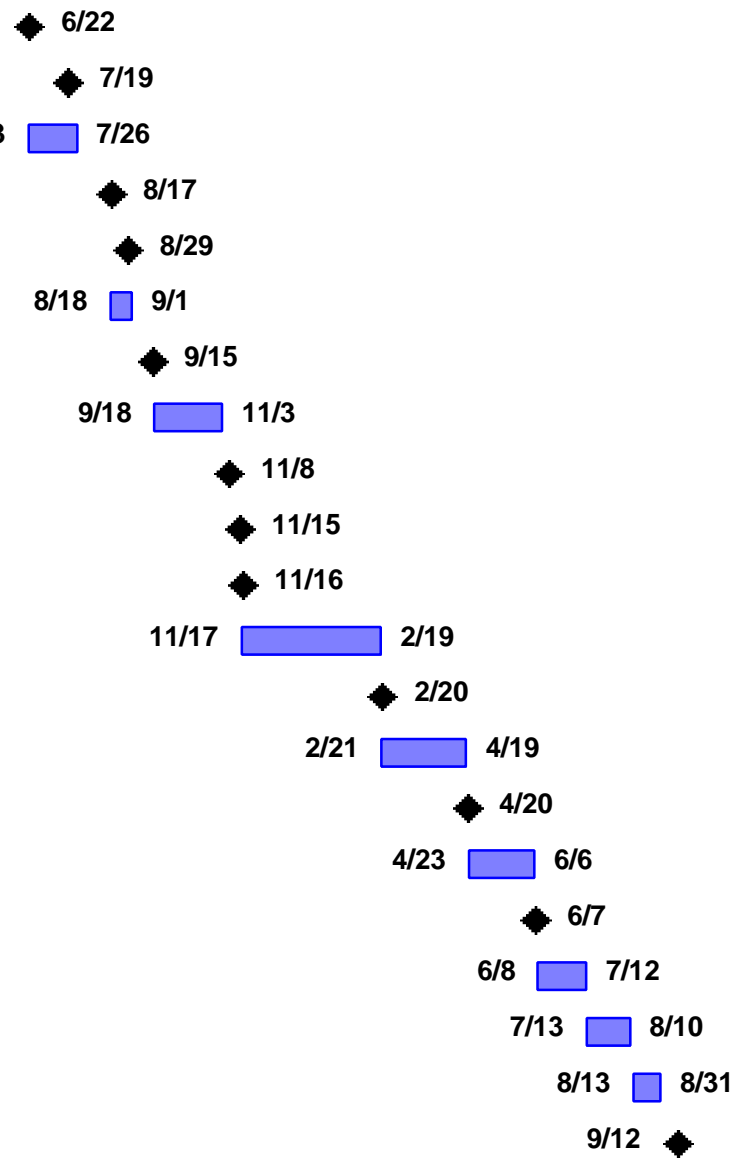
July 19, 2000

City of Phoenix
Water Services Department



General Project Schedule (July 19, 2000)

Task Name	2000												2001							
	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
Draft RFQ on Counter																				
Pre-RFQ Meeting with Respondents																				
Receive Comments on Draft RFQ																				
RFQ on Counter																				
Pre-SOQ Meeting/Site Tour																				
Receive Comments on RFQ																				
Receive SOQs																				
Evaluate SOQs																				
Selection Committee Shortlist 3 Proposers																				
Council Approval of RFP Issuance																				
RFP w/ Service Agreement to Shortlist																				
Proposers Prepare Technical Proposals																				
Receive Preliminary Technical Proposals																				
Clarification of Preliminary Technical Proposals																				
Amended RFP w/ Service Agreement to Proposers																				
Proposers Prepare Final Technical and Price Proposals																				
Receive Final Technical and Price Proposals																				
Evaluate Technical Proposals																				
Evaluate Price Proposals and Benchmark Review																				
Final Evaluation and Selection																				
Council Approval of Selected Proposer																				



P r e s e n t a t i o n



**Lake Pleasant
Water Treatment Plant
DBO Project:**

Project Website

July 19, 2000

City of Phoenix
Water Services Department



L A K E P L E A S A N T

WATER TREATMENT PLANT



-  [Overview](#)
-  [Schedule](#)
-  [Photo Gallery](#)
-  [Contacts](#)
-  [Reports](#)
-  [Request for Qualifications](#)
-  [Other Links](#)



Note: The city assumes no responsibility for the content of the material contained in this website nor for the accuracy of any information found there.

 RETURN TO PHOENIX
AT YOUR FINGERTIPS



Project Website (1)

Address

- www.lakepleasantwtp.com

Site Highlights

- **Project Schedule**
- **Draft RFQ**
- **Summaries of Reference Documents**



Project Website (2)

Links

- **EAS/Bids**
- **Bid Schedule**
- **Plan Holder List**
- **ALIS Online**
- **Bill 2340**



Website Feedback Questions

- ☰ What else would you like to see on the Project Website?**
- ☰ How is the Project Website working for you?**

