



NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

WORKSHOP NO. 1 - PROJECT OVERVIEW

November 16, 2006

www.slocounty.ca.gov/pw/nacwp.htm BLACK & VEATCH/BOYLE

Agenda

- Introduction & Outreach Overview
- Construction Contract Packages
 - Primary Components
 - Budget & Schedule
- Contractor Pre-Qualification
- Contractor Information and Feedback
- Questions

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Key Contractor Outreach Program Objectives

- **Inform** Contractors and Suppliers About the Nacimiento Water Project Construction
- **Listen** to Comments and Ideas From Interested Contractors & Suppliers
- **Incorporate** Changes and Finalize Project Documents To Maximize Project Interest

***The District Wants to
Create A Win – Win Contracting
Approach!***

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NWP Is the Benchmark Water Supply Project on the Central Coast

- Providing increased local water supply
- Moving forward after extensive consensus-building effort since the 1960's
- Signature Project Requires multi-skilled Contractors
- Project funding in place



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Multi-Component Project

Major Project Components:

- Hot-tap Lake Nacimiento
- Intake and pump station on Lake Nacimiento
- 45 miles of transmission pipeline (36 to 12-inch pipe)
- Three steel storage tanks
- Two intermediate booster pump stations
- SCADA and Project control system



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Five Contract Packages



- Spec 1 - Lake Nacimiento Intake Underground & Underwater Work
- Spec 2 - Pump Stations, Tanks, and SCADA
- Spec 3 - Pipeline (North Section)
- Spec 4 - Pipeline (Central Section)
- Spec 5 - Pipeline (South Section)



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Spec 1 Includes the Underground and Underwater Work at the Intake

- Intake vertical shaft & pump wetwell
 - Diameter ~ 16 to 20 feet
 - Depth ~ 185 feet
- Microtunneled horizontal lake tap
 - Diameter ~ 72 inches \varnothing
 - Length ~ 530 feet
- Multi-port intake (7 inlets)
- Est. Contract Value ~ \$14M to \$16M



Rendering of Lake Nacimiento Intake & Pump Station



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Intake Location Poses Significant Construction Challenges



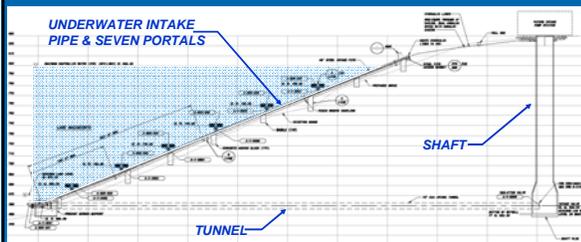
Intake Shaft & Pumps

Dam & Spillway



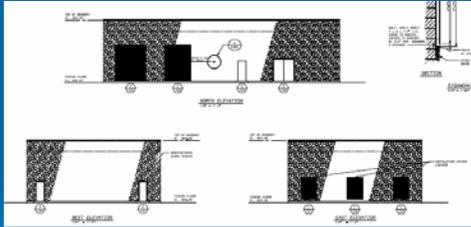
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Major Components Are the Pump Well, Horizontal Shaft, & Inlet Structure



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Intake Pump Station Building Profile



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Spec 2 Includes Pump Stations (3), Storage Tanks (3), & Associated Facilities

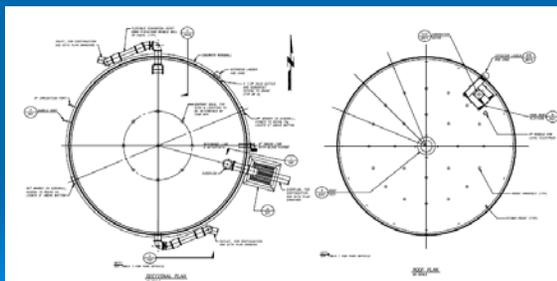


- Three Pump Stations (3)
 - Intake Pump Station – 5 @ 700 Hp
 - Santa Ysabel Pump Station – 4 @ 500 Hp
 - Rocky Canyon Pump Station – 3 @ 450 Hp
 - Vertical diffusion vane pumps
- Steel Ground Storage Tanks (3)
 - Two 850,000 gallons
 - One 300,000 gallons
- SCADA & Control System
- Contract Size - \$35M to \$38M



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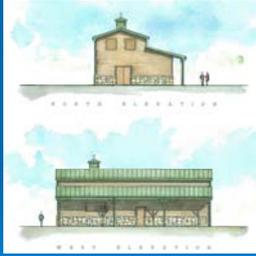
Site Plan for Storage Tanks Provides Similar Construction Configuration



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Pump Stations and SCADA are Also Important Spec 2 Components

Pump Station Structure for Rural Areas

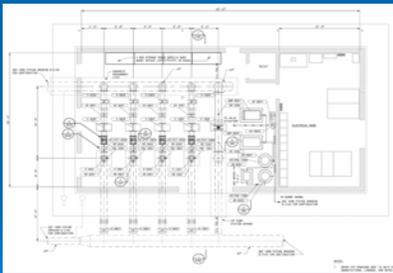


Santa Ysabel Pump Station Rendering (Rocky Canyon Pump Station is Similar)



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Pump Stations and SCADA are Also Important Spec 2 Components

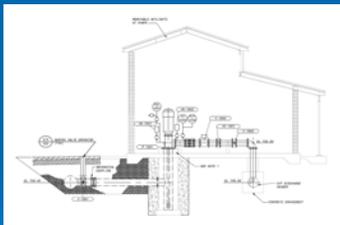


Santa Ysabel Pump Station Plan



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Pump Stations and SCADA are Also Important Spec 2 Components



Santa Ysabel Pump Station



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Phased Construction Schedule

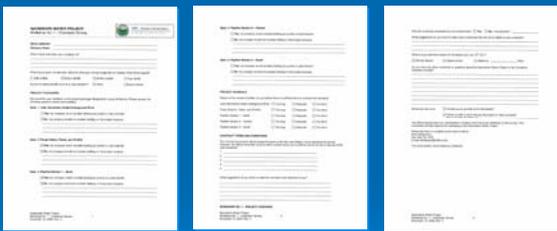
Spec.	Name	Bid Date	Open
Spec 1	Lake Intake and Underground	Late March 07	Mid May 07
Spec 2	Pump Stations, Tanks and SCADA	Mid May 07	Early July 07
Spec 3	Pipeline Section 1 (North)	Late April 07	Early June 07
Spec 4	Pipeline Section 2 (Central)	Late April 07	Mid June 07
Spec 5	Pipeline Section 3 (South)	Late April 07	Late June 07

Overall Completion is June 2010



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Contractor Survey – We Have to Hear From You to be Successful



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Contractor Survey – We Have to Hear From You to be Successful

For Example:

- Owner Controlled Insurance Program (OCIP)
- Ideas on Providing a Deduction for Multiple Contracts
- Materials Cost Escalation, etc.



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This Concludes Workshop No.1

- Workshop No.2
 - Week of Jan 15, 2007
 - Potential contractor issues and concerns from the previous workshop to be addressed.
- Workshop No. 3
 - Week of March 19, 2007
 - Will focus on pre- bid issues and distribute initial invitation to bid.



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